EDWIN T. UPSHAW III CRETU 1-20 CAROLINE COUNTY

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ΡΔΡΤ ΝVI+ Ι ΔΝΝ ΔΡΡ	PLICATION AGREEMENT -	RIOSOLIDS AND INDI	ISTRIAI RESIDIJAIS

L 88 1008 L 100 L 101 L	changes, those parcels for whi I residuals under this agreeme	ct to those parcels that of all parcels changes ch ownership has char ent.	nged will no longer be authorized to
Landowner: The Landowner is the owner agricultural, silvicultural or redocumentation identifying owners.	clamation sites identified belo	located in <u>Carro lure</u> w in Table 1 and identi	<u>Co.</u> , Virginia, which includes the fied on the tax map(s) with county
Table 1.: Parcels aut	horized to receive biosolids, w	ater treatment residua	ls or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
88-1-B	OV. CP PROGRAM OF NAME OF WAR		HT * C * É
88-A-3,4,5,10		må ded Com ill	ewal plan filelin
L HANGELY	STEMPORES THE STATE OF THE LAND.	relately to the series	E ROLE A MARKAN
	E-1 - Y - PD- (E-1) F(0 - E) - 11-34		fer.
notify the Permittee immedia application or any part of this The Landowner hereby gran	tely if conditions change such agreement becomes invalid of ts permission to the Permittee	that the fields are no loor the information hereif to land apply residuals	ed herein. The Landowner will onger available to the Permittee for n contained becomes incorrect. as specified below, on the
notify the Permittee immedia application or any part of this The Landowner hereby gran- agricultural sites identified at inspections on the land identi	tely if conditions change such agreement becomes invalid of ts permission to the Permittee	that the fields are no look the information herein to land apply residuals andowner also grants per land application or the state of th	ed herein. The Landowner will onger available to the Permittee for n contained becomes incorrect. as as specified below, on the ermission for DEQ staff to conduct f permitted residuals for the
notify the Permittee immedia application or any part of this The Landowner hereby gram agricultural sites identified at inspections on the land ident purpose of determining comp	tely if conditions change such a agreement becomes invalid of the permittee bove and in Exhibit A. The Latified above, before, during or a coliance with regulatory require treatment residuals	that the fields are no look the information herein to land apply residuals andowner also grants per after land application of the ments applicable to such that the such t	ed herein. The Landowner will onger available to the Permittee for n contained becomes incorrect. as as specified below, on the ermission for DEQ staff to conduct f permitted residuals for the
notify the Permittee immedia application or any part of this The Landowner hereby gramagricultural sites identified at inspections on the land ident purpose of determining compactions B biosolids Water	tely if conditions change such a agreement becomes invalid of the permission to the Permittee bove and in Exhibit A. The Latified above, before, during or collance with regulatory require treatment residuals. No Mailing Address 2333 Bag bot Bowling Graden.	that the fields are no look the information herein to land apply residuals and owner also grants per after land application of ments applicable to supprocessing wasters. No	ed herein. The Landowner will onger available to the Permittee for n contained becomes incorrect. as specified below, on the ermission for DEQ staff to conduct f permitted residuals for the ch application. Other industrial sludges
notify the Permittee immedia application or any part of this The Landowner hereby gram agricultural sites identified at inspections on the land ident purpose of determining computed in the land identification of the land i	tely if conditions change such a agreement becomes invalid on the Permittee cove and in Exhibit A. The Lactified above, before, during or collance with regulatory require treatment residuals Food 図Yes Mailing Address 2333 Bagber Phone No Coulting Carlotte official [or officer] authorized to a	that the fields are no look that the information herein to land apply residuals and owner also grants per after land application of ments applicable to sure a look of the land application of ments applicable to sure land a	ed herein. The Landowner will onger available to the Permittee for n contained becomes incorrect. as specified below, on the ermission for DEQ staff to conduct f permitted residuals for the chaplication. Other industrial sludges Yes □ No Landowner Signature Column Upplication Tustee or Power of attorney, etc.

Title Technical Manager Phone No. 540-547-3300

Rev 6/11/2018

Mailing Address

PO Box 562, Remington Virginia 22734

Printed name

Susan Trumbo

Permittee Authorized Representative

Signature

Permittee:Recyc Systems, Inc County or City:Caro(v)	ie Co.
Landowner: Edwin T. Upshow (1)	
Landowner. Landowner.	
Landowner Site Management Requirements:	43
I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding land application of biosolids, the components of biosolids and proper handling and land application.	ng regulations governing the tion of biosolids.
I have also been expressly advised by the Permittee that the site management requirements an identified below must be complied with after biosolids have been applied on my property in order that I am responsible for the implementation of these practices.	nd site access restrictions er to protect public health, and
I agree to implement the following site management practices at each site under my ownership of biosolids at the site:	following the land application
 Notification Signs: I will not remove any signs posted by the Permittee for the purpose or biosolids land application site, unless requested by the Permittee, until at least 30 days a site is completed. 	f identifying my field as a after land application at that
Public Access a. Public access to land with a high potential for public exposure shall be restricted.	d for at least one year
following any application of biosolids. b. Public access to land with a low potential for public exposure shall be restricted any application of biosolids. No biosolids amended soil shall be excavated or rethis same period of time unless adequate provisions are made to prevent public aerosols;	emoved from the site during
 c. Turf grown on land where biosolids are applied shall not be harvested for one y biosolids when the harvested turf is placed on either land with a high potential for unless otherwise specified by DEQ. 	ear after application of our public exposure or a lawn,
3. Crop Restrictions:	- NE STI 20 - ST 11-
 a. Food crops with harvested parts that touch the biosolids/soil mixture and are too shall not be harvested for 14 months after the application of biosolids. b. Food crops with harvested parts below the surface of the land shall not be harve application of biosolids when the biosolids remain on the land surface for a time months prior to incorporation into the soil, 	ested for 20 months after the period of four (4) or more
 c. Food crops with harvested parts below the surface of the land shall not be harvested biosolids remain on the land surface for a time period of less than four (4) mont d. Other food crops and fiber crops shall not be harvested for 30 days after the ap e. Feed crops shall not be harvested for 30 days after the application of biosolids 	hs prior to incorporation. plication of biosolids;
daily animais).	# 145-00 Bits 81 517/ FI
 4. Livestock Access Restrictions: Following biosolids application to pasture or hayland sites: a. Meat producing livestock shall not be grazed for 30 days, b. Lactating dairy animals shall not be grazed for a minimum of 60 days. c. Other animals shall be restricted from grazing for 30 days; 	gar general de la resulta de l
 Supplemental commercial fertilizer or manure applications will be coordinated with the bi- residuals applications such that the total crop needs for nutrients are not exceeded as id- management plan developed by a person certified in accordance with §10.1-104.2 of the 	entified in the nutrient
 Tobacco, because it has been shown to accumulate cadmium, should not be grown on t years following the application of biosolids or industrial residuals which bear cadmium ed pounds/acre (0.5 kilograms/hectare). 	he Landowner's land for three qual to or exceeding 0.45
Edwin T Upshow III	6-6-19
Landowner's Signature	Date
CANTEST / 100how TK Bowling Green, Va. 22427	
Edwart Upshaw III Bowling Green, Va. 22427 14804-513-4102	6-6-19
Operator's Signature mailing address & phone	Date

DADED M. LA	ND APPLICATION	LACDEEMENT	PIOSOLIDS	AND INDUSTRIAL	DECIDITALS

A. This land application agreement is made on 6-6-19 between katterine H. Ups haw referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement. Landowner: The Landowner is the owner of record of the real property located in agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.						
Table	1.: Parcels authorized to re	ceive biosolids, v	vater treatment residua	als or other industrial sludge	:s	
Tax P	arcel ID Tax	Parcel ID	Tax Parcel ID	Tax Parcel	ID	
88-1-B						
88-A-11				92.11 Sec. 10		
88-A-5				- 1, - 4 1 1 1 2		
1 = 16			THE CALL IN THE			
☐ Addition:	al parcels containing Land Applicat	ion Sites are identifie	d on Supplement A (check i	applicable)		
1. Notifithan 2. Notifi The Landown notify the Perapplication of The Landown agricultural sinspections of purpose of de Class B biose	within 38 months of the latest date of biosolids application, the Landowner shall: 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and 2. Notify the Permittee of the sale within two weeks following property transfer. The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect. The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application. Class B biosolids Water treatment residuals Food processing waste Other industrial sludges Yes No					
Printed name, Katherine H. Upshaw By: Title* Phone Nogolf-633-5803 * I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. * I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc. Permittee: Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.						
	agrees to notify the Landowne or to any particular application					
Printed name	Susan Trumbo	Mailing Address PO Box 562, Rem	ington Virginia 22734	Permittee- Authorized Representation	re T	
Title	Technical Manager	Phone No. 540		Thuled		

Rev 6/11/2018

Page 1 of 2

		0-15	Λ
Permittee: _	Recyc Systems, Inc County of	or City: Caroline	Co
Landowner:	Katherine H. Upshow		
	Site Management Requirements:		
land application	er, I have received a DEQ Biosolids Fact Sheet that inclu n of biosolids, the components of biosolids and proper ha	andling and land application	1 of biosolius.
identified below that I am respo	en expressly advised by the Permittee that the site mana v must be complied with after biosolids have been applie insible for the implementation of these practices.	d on my property in order t	o protect public health, and
I agree to imple of biosolids at t	ement the following site management practices at each s the site:	ite under my ownership fol	lowing the land application
biosolids	tion Signs: I will not remove any signs posted by the Persiland application site, unless requested by the Permitted ompleted.	mittee for the purpose of id e, until at least 30 days afte	lentifying my field as a er land application at that
2. Public A a _s b. c.	Public access to land with a high potential for public exfollowing any application of biosolids. Public access to land with a low potential for public expany application of biosolids. No biosolids amended soithis same period of time unless adequate provisions are aerosols; Turf grown on land where biosolids are applied shall no biosolids when the harvested turf is placed on either land unless otherwise specified by DEQ.	osure shall be restricted fo I shall be excavated or reme e made to prevent public ex of be harvested for one yea	r at least 30 days following oved from the site during xposure to soil, dusts or r after application of
a. b.	estrictions: Food crops with harvested parts that touch the biosolid shall not be harvested for 14 months after the applicati Food crops with harvested parts below the surface of t application of biosolids when the biosolids remain on the months prior to incorporation into the soil, Food crops with harvested parts below the surface of t biosolids remain on the land surface for a time period of Other food crops and fiber crops shall not be harvested Feed crops shall not be harvested for 30 days after the dairy animals).	on of blosolids. the land shall not be harves the land surface for a time p the land shall not be harves of less than four (4) months d for 30 days after the appli	ted for 20 months after the eriod of four (4) or more ted for 38 months when the prior to incorporation. cation of biosolids;
4. Livesto Fo a. b. c.	ck Access Restrictions: Illowing biosolids application to pasture or hayland sites: Meat producing livestock shall not be grazed for 30 da Lactating dairy animals shall not be grazed for a minim Other animals shall be restricted from grazing for 30 d	ium of 60 days.	
rapidus	mental commercial fertilizer or manure applications will bals applications such that the total crop needs for nutrient ement plan developed by a person certified in accordance	s are not exceeded as ider	ithea in the natherit
vears f	co, because it has been shown to accumulate cadmium, following the application of biosolids or industrial residuals/acre (0.5 kilograms/hectare).	should not be grown on the s which bear cadmium equ	e Landowner's land for three lal to or exceeding 0.45
Late	Levin Upshaw		6-6-19
Lando	owner's Signature		Date

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS					
A. This land application agreement is made on 6-6-19 between Edwin T. Upshaw III Thus to between set "Landowner", and Recyc Systems, Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.					
Landowner: The Landowner is the owner agricultural, silvicultural or redocumentation identifying o	eclamation site	es identified belo	located in <u>Carclin</u> w in Table 1 and iden	يو كن. Virgin tified on the tax	ia, which includes the cmap(s) with county
Table 1.: Parcels aเ	uthorized to rec	eive biosolids, w	ater treatment residu	als or other ind	ustrial sludges
Tax Parcel ID	Tax F	Parcel ID	Tax Parcel ID		Tax Parcel ID
88-A-64	88-A-18	3,49			4
88-A-65	99-A-1	1		- r,	× .
T VALLEX LIBER	ins.				
☐ Additional parcels containi	ng Land Applicatio	n Sites are identified	I on Supplement A (check i	f applicable)	
			the properties identifien ners of the properties		in.
	er or transferee e property trans e of the sale will er agreements lately if condition is agreement but the permission above and in Extinct above, but if it is agreement in the property of the poliance with resident resident in the property of the proper	of the applicable ifer; and thin two weeks for land applicate ons change such ecomes invalid of to the Permittee exhibit A. The La efore, during or egulatory require uals Food	e public access and coollowing property transion on the fields identified that the fields are not the information here to land apply residual andowner also grants pafter land application ments applicable to supprocessing waste	rop managements sfer. ified herein. The longer available ein contained be ls as specified permission for E of permitted res uch application Other industri	e Landowner will e to the Permittee for ecomes incorrect. below, on the DEQ staff to conduct siduals for the . al sludges
- E	es 🗆 No		es 🗆 No	⊠ Yes	
Printed name Edwin T. Uashaw III Tr. Bowling Green Va. 22427 Title* Trustee Mailing Address Ragby Rd. Bowling Green Va. 22427 Phone No. 204-633-5803 Landowner Signature Clevin T Upshaw III					
* Certify that I have authorit					
*□ I certify that I am a respons proprietorship, LLC, municipalit			ict on behalf of the follow	ng corporation, pa	artnership,
Permittee: Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia. The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.					
Printed name		Mailing Address		Permittee- Authori	
Susan Trumbo Title Technical Mar		PO Box 562, Remi Phone No. 540-	ngton Virginia 22734 547-3300	Signature	unko

Permitte	ee: Recyc Systems, Inc	County or City: <u>Cavoline</u> Co,
Landow	oner: Edwin T. Upshaw III Tr.	
Landow	vner Site Management Requirements:	
I, the Lar	ndowner, I have received a DEQ Biosolids Fact Sh lication of biosolids, the components of biosolids a	eet that includes information regarding regulations governing the nd proper handling and land application of biosolids.
identified	so been expressly advised by the Permittee that the below must be complied with after biosolids have responsible for the implementation of these practi	e site management requirements and site access restrictions been applied on my property in order to protect public health, and ces.
	o implement the following site management praction ids at the site:	es at each site under my ownership following the land application
bi	otification Signs: I will not remove any signs poste osolids land application site, unless requested by t te is completed.	d by the Permittee for the purpose of identifying my field as a he Permittee, until at least 30 days after land application at that
2. Pt	following any application of biosolids. b. Public access to land with a low potential for any application of biosolids. No biosolids a this same period of time unless adequate paerosols; Turf grown on land where biosolids are applications.	for public exposure shall be restricted for at least one year or public exposure shall be restricted for at least 30 days following mended soil shall be excavated or removed from the site during provisions are made to prevent public exposure to soil, dusts or solied shall not be harvested for one year after application of on either land with a high potential for public exposure or a lawn,
3. C	 shall not be harvested for 14 months after to be application of biosolids when the biosolids months prior to incorporation into the soil, c. Food crops with harvested parts below the biosolids remain on the land surface for a to the food crops and fiber crops shall not to the soil. 	the biosolids/soil mixture and are totally above the land surface the application of biosolids. surface of the land shall not be harvested for 20 months after the remain on the land surface for a time period of four (4) or more surface of the land shall not be harvested for 38 months when the ime period of less than four (4) months prior to incorporation. De harvested for 30 days after the application of biosolids; anys after the application of biosolids (60 days if fed to lactating
4. L	ivestock Access Restrictions: Following biosolids application to pasture or ha a. Meat producing livestock shall not be graze b. Lactating dairy animals shall not be graze c. Other animals shall be restricted from graz	ed for 30 days, I for a minimum of 60 days.
re	esiduals applications such that the total crop needs	cations will be coordinated with the biosolids and industrial for nutrients are not exceeded as identified in the nutrient n accordance with §10.1-104.2 of the Code of Virginia;
b A	rears following the application of biosolids or industrounds/acre (0.5 kilograms/hectare).	e cadmium, should not be grown on the Landowner's land for three trial residuals which bear cadmium equal to or exceeding 0.45
E	devin T UpshawIII	6-6-19
L	andowner's Signature	Date

DADT D.VI. I AND	APPLICATION A	CREMENT - R	IOSOLIDS AND	INDLICTRIAL	RESIDITALS

here as "Landowner", and until it is terminated in writi the event of a sale of one of identified in this agreemen	reement is made on Recyc Systems, Inc., referred to ng by either party or, with respect or more parcels, until ownership to changes, those parcels for which ial residuals under this agreeme	nere as the "Permittee"! The tot to those parcels that are of all parcels changes. If o th ownership has changed	his agreement remains in effect retained by the Landowner in wnership of individual parcels
agricultural, silvicultural or documentation identifying	er of record of the real property l reclamation sites identified below owners, attached as Exhibit A.	v in Table 1 and identified o	on the tax map(s) with county
The state of the s	uthorized to receive biosolids, w		
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
99-A-17			
89-A-18			
88-A-49			
Additional parcels contain	ing Land Application Sites are identified	on Supplement A (check if applic	able)
In the event that the Lando within 38 months of the lat 1. Notify the purchas than the date of th 2. Notify the Permitte The Landowner has no off notify the Permittee immed application or any part of the Landowner hereby gragricultural sites identified inspections on the land ide	Landowner is one of multiple own owner sells or transfers all or parest date of biosolids application, er or transferee of the applicable e property transfer; and see of the sale within two weeks for agreements for land applicationately if conditions change such his agreement becomes invalid cants permission to the Permittee above and in Exhibit A. The Langentified above, before, during or ampliance with regulatory requires	t of the property to which bithe Landowner shall: public access and crop management of the public access and crop management of the public access and crop management of the fields identified he that the fields are no longer the information herein conto land apply residuals as andowner also grants permise after land application of per	anagement restrictions no later erein. The Landowner will available to the Permittee for intained becomes incorrect. specified below, on the ssion for DEQ staff to conduct mitted residuals for the
•	er treatment residuals Food	processing waste Oth	ner industrial sludges Yes □ No
*□ I certify that I am a respor	Mailing Address 25249 Matta 25249 Matta 25249 Matta 25249 Matta Gether Phone No. 804-6 ity to sign for the landowner as indicate sible official [or officer] authorized to a ity, state or federal agency, etc.	33 - 5514 33 - 5514 35 - 5514	
authorized by the VPA Perm prepared for each land application. The Permittee agrees to noti	ermittee, agrees to apply biosolids a t Regulation and in amounts not to e ation field by a person certified in a fy the Landowner or the Landowner's alar application to the Landowner's	exceed the rates identified in the ecordance with §10.1-104.2 of s designee of the proposed so	ne nutrient management plan the Code of Virginia. Shedule for land application and

Printed name
Susan Trumbo
Po Box 562, Remington Virginia 22734
Title Technical Manager
Phone No. 540-547-3300
Permittee Authorized Representative
Signature

		0 (*	0
Permittee:	Recyc Systems, Inc	County or City: Caroline	Cor
Landowne	r: Sally W. Upshaw TV.		
Landowne	r Site Management Requirements:		
I, the Landov land applicat	vner, I have received a DEQ Biosolids Fact Sh ion of biosolids, the components of biosolids a	neet that includes information regarding re and proper handling and land application o	gulations governing the of biosolids.
identified bel	een expressly advised by the Permittee that the ow must be complied with after biosolids have ponsible for the implementation of these pract	been applied on my property in order to p	e access restrictions protect public health, and
l agree to im of biosolids a	plement the following site management praction the site:	ces at each site under my ownership follow	wing the land application
bioso	cation Signs: I will not remove any signs poste ids land application site, unless requested by completed.	ed by the Permittee for the purpose of ider the Permittee, until at least 30 days after I	ntifying my field as a and application at that
a b	 Access Public access to land with a high potential following any application of biosolids. Public access to land with a low potential for any application of biosolids. No biosolids at this same period of time unless adequate practices. Turf grown on land where biosolids are applications when the harvested turf is placed unless otherwise specified by DEQ. 	or public exposure shall be restricted for a amended soil shall be excavated or remov provisions are made to prevent public expo plied shall not be harvested for one year a	t least 30 days following ed from the site during osure to soil, dusts or fter application of
a b c	Restrictions: Food crops with harvested parts that touch shall not be harvested for 14 months after	the application of biosolids. surface of the land shall not be harvested remain on the land surface for a time period surface of the land shall not be harvested time period of less than four (4) months probe harvested for 30 days after the applications.	I for 20 months after the od of four (4) or more I for 38 months when the ior to incorporation.
F a b	tock Access Restrictions: following biosolids application to pasture or ha Meat producing livestock shall not be graze Lactating dairy animals shall not be grazed Other animals shall be restricted from graze	ed for 30 days, I for a minimum of 60 days.	
residi	lemental commercial fertilizer or manure applications such that the total crop needs gement plan developed by a person certified i	s for nutrients are not exceeded as identific	ed in the nutrient
years poun Sall Ma	cco, because it has been shown to accumulate following the application of biosolids or industrial desearce (0.5 kilograms/hectare). W. Upshaw Trustee Levenor's Signature	trial residuals which bear cadmium equal t	andowner's land for three to or exceeding 0.45
Land	lowner's Signature /	L	Jale

here as "Landowner", and Recuntil it is terminated in writing the event of a sale of one or nidentified in this agreement chreceive biosolids or industrial Landowner: The Landowner is the owner of	ment is made on	between Carl here as the "Permittee" at to those parcels that a of all parcels changes. h ownership has changent. becated in Caroline	DUSTRIAL RESIDUALS D. Ups aw Av. referred to This agreement remains in effect are retained by the Landowner in If ownership of individual parcels ged will no longer be authorized to Virginia, which includes the ed on the tax map(s) with county		
Table 1.: Parcels auth	orized to receive biosolids, wa	ater treatment residuals	or other industrial sludges		
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID		
88-A-67.66.66C					
00 1 24 57 2 10					
88-47-3,4.,5,1,8,10	NII»				
Jan Strate Strategy and Strategy	property of the contract of	avia se da siveri i	KING CONTROL OF THE C		
☐ Additional parcels containing	Land Application Sites are identified	on Supplement A (check if a	oplicable)		
In the event that the Landown within 38 months of the latest 1. Notify the purchaser of than the date of the purchaser of th	date of biosolids application, or for transferee of the applicable roperty transfer; and f the sale within two weeks fo	ers of the properties id of the property to whic the Landowner shall: public access and crop llowing property transfe	entified herein. h biosolids have been applied o management restrictions no later er.		
The Landowner has no other a notify the Permittee immediate application or any part of this	ely if conditions change such t	hat the fields are no lor	d herein. The Landowner will nger available to the Permittee for contained becomes incorrect.		
The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application. Class B biosolids Water treatment residuals Food processing waste Other industrial sludges					
☑ Yes ☐ No ☑ Yes	□ No ⊠Yes	s □ No	☑ Yes ☐ No		
Printed name Carl D. Upshaw & By: Cal W. Marlandin	Mailing Address 23035 Bagb Bowling Gree Phone No. 804-63	y Road	Cal W. Aboles		
	sign for the landowner as indicated	d by my title as executor, Tr	ustee or Power of attorney, etc.		
	official [or officer] authorized to ac	t on behalf of the following	corporation, partnership,		
proprietorship, LLC, municipality, s	tate or federal agency, etc.				
Permittee:	5				

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed nar	me	Mailing Address	Permittee- Authorized Representative
	Susan Trumbo	PO Box 562, Remington Virginia 22734	Signature
Title	Technical Manager	Phone No. 540-547-3300	Mules

Permittee: Recyc Systems, Inc	County or City: Caroline Co.
Landowner: Carl D. Upshaw Sv.	*
City Management Requirements:	
Landowner Site Management Requirements:	
land application of biosolids, the components of biosolids	
I have also been expressly advised by the Permittee that identified below must be complied with after biosolids hav that I am responsible for the implementation of these practices.	he site management requirements and site access restrictions been applied on my property in order to protect public health, and tices.
I agree to implement the following site management pract of biosolids at the site:	ces at each site under my ownership following the land application
 Notification Signs: I will not remove any signs post biosolids land application site, unless requested by site is completed. 	ed by the Permittee for the purpose of identifying my field as a the Permittee, until at least 30 days after land application at that
Public Access a. Public access to land with a high potentia	for public exposure shall be restricted for at least one year
any application of biosolids. No biosolids this same period of time unless adequate aerosols.	for public exposure shall be restricted for at least 30 days following amended soil shall be excavated or removed from the site during provisions are made to prevent public exposure to soil, dusts or
 Turf grown on land where biosolids are at 	plied shall not be harvested for one year after application of d on either land with a high potential for public exposure or a lawn,
3. Crop Restrictions:	the biggelide/asil mixture and are totally above the land surface.
shall not be harvested for 14 months after b. Food crops with harvested parts below the application of biosolids when the biosolids months prior to incorporation into the soil.	the biosolids/soil mixture and are totally above the land surface the application of biosolids. E surface of the land shall not be harvested for 20 months after the remain on the land surface for a time period of four (4) or more e surface of the land shall not be harvested for 38 months when the
biosolids remain on the land surface for a	time period of less than four (4) months prior to incorporation. be harvested for 30 days after the application of biosolids; days after the application of biosolids (60 days if fed to lactating
4. Livestock Access Restrictions:	audend altere
Following biosolids application to pasture or h. a. Meat producing livestock shall not be graze b. Lactating dairy animals shall not be graze c. Other animals shall be restricted from gra	zed for 30 days, d for a minimum of 60 days.
Supplemental commercial fertilizer or manure applications such that the total crop need	ications will be coordinated with the biosolids and industrial is for nutrients are not exceeded as identified in the nutrient in accordance with §10.1-104.2 of the Code of Virginia;
 Tobacco, because it has been shown to accumula years following the application of biosolids or indus pounds/acre (0.5 kilograms/hectare). 	te cadmium, should not be grown on the Landowner's land for three strial residuals which bear cadmium equal to or exceeding 0.45
Call D. Anslar h	6/5/19
Landowner's Signature	Date
Cal A Almal 2300	5 Books Rd 6/5/19
Operator's Signature mailing ad	dress & phone Va 22427 Date

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreen here as "Landowner", and Recuntil it is terminated in writing by the event of a sale of one or modentified in this agreement chareceive biosolids or industrial receives.	or Coverns, Inc., referred y either party or, with response parcels, until ownershinges, those parcels for w	to here as the "Permitt bect to those parcels the ip of all parcels change which ownership has ch	ee". This agre nat are retained es. If ownersh	eement remains in effect d by the Landowner in ip of individual parcels
Landowner: The Landowner is the owner of agricultural, silvicultural or recladocumentation identifying owner.	mation sites identified be	low in Table 1 and idea		
Table 1.: Parcels author	ized to receive biosolids,	water treatment residu	uals or other in	dustrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel II		Tax Parcel ID
88-A-55	and Kensoy at News 15	1. 25-1-25 11 12 12 13 13 13 13 13	Lines ray Place	a NGC
		TO WHE		VI. I
	5		nanda.	
☐ Additional parcels containing La	nd Application Sites are identifi	ed on Supplement A (check	if applicable)	
Notify the purchaser or than the date of the pro Notify the Permittee of t The Landowner has no other agnotify the Permittee immediately application or any part of this agnoral that the Landowner hereby grants pagricultural sites identified above inspections on the land identified purpose of determining compliated in the Landowner hereby grants pagricultural sites identified above inspections on the land identified purpose of determining compliated in the Landowner hereby grants pagricultural sites identified above inspections on the land identified purpose of determining compliated in the Landowner has no other agnorated in the Landowner has no other h	perty transfer; and the sale within two weeks reements for land applications change such reement becomes invalided and in Exhibit A. The Let above, before, during once with regulatory requires.	following property transition on the fields ident that the fields are not or the information here to land apply residual andowner also grants or after land application the ements applicable to so do processing waste	isfer. ified herein. Tillionger available in contained in the contained in	he Landowner will ble to the Permittee for becomes incorrect. If below, on the DEQ staff to conduct esiduals for the numbers of the price of the pri
Printed name By: Title* Canev * I certify that I have authority to si proprietorship, LLC, municipality, state	Phone No 804) and ficial [or officer] authorized to	ted by my title as executor,	Edim T. Trustee or Powe	Godaw TV
Permittee: Recyc Systems, Inc., the Permittee authorized by the VPA Permit Regu prepared for each land application f The Permittee agrees to notify the L specifically prior to any particular ap	lation and in amounts not to ield by a person certified in andowner or the Landowne	exceed the rates identification accordance with §10.1-10 or's designee of the propo	ed in the nutrien 04.2 of the Code sed schedule fo	it management plan e of Virginia. or land application and
Printed name	Mailing Address		Permittee- Autho	rized Representative
Susan Trumbo Title Technical Manager	PO Box 562, Ren Phone No. 54	nington Virginia 22734 0-547-3300	Signature	- lu

Rev 6/11/2018

Permit	itee: Recyc Systems, Inc	County or City: <u>Caroline</u> Co
	wner: Edwin T. Upshow IV	
24,144		
	wner Site Management Requirements:	, , , , , , , , , , , , , , , , , , , ,
land ap	plication of biosolids, the components of biosolids and	at that includes information regarding regulations governing the proper handling and land application of biosolids.
I have a identifie that I ar	also been expressly advised by the Permittee that the and below must be complied with after biosolids have been responsible for the implementation of these practice	site management requirements and site access restrictions een applied on my property in order to protect public health, and s.
I agree	to implement the following site management practices	at each site under my ownership following the land application
ł	Notification Signs: I will not remove any signs posted I biosolids land application site, unless requested by the site is completed.	by the Permittee for the purpose of identifying my field as a ePermittee, until at least 30 days after land application at that
2 _{til} F	Public Access a. Public access to land with a high potential for	public exposure shall be restricted for at least one year
	any application of biosolids. No biosolids am this same period of time unless adequate pro	public exposure shall be restricted for at least 30 days following ended soil shall be excavated or removed from the site during poissions are made to prevent public exposure to soil, dusts or
	 aerosols; Turf grown on land where biosolids are applied biosolids when the harvested turf is placed or unless otherwise specified by DEQ. 	ed shall not be harvested for one year after application of neither land with a high potential for public exposure or a lawn,
3. (Parameter and the second secon	
	a. Food crops with harvested parts that touch tr	ne biosolids/soil mixture and are totally above the land surface e application of biosolids.
	 Food crops with harvested parts below the standard application of biosolids when the biosolids re 	urface of the land shall not be harvested for 20 months after the main on the land surface for a time period of four (4) or more
	months prior to incorporation into the soil, c. Food crops with harvested parts below the si	urface of the land shall not be harvested for 38 months when the
	biosolids remain on the land surface for a time	he period of less than four (4) months prior to moorporate.
	Food areas shall not be harvested for 30 day	/s after the application of plosoilus (60 days if led to lacturing
4.		and sites:
	a Maat producing IIVESTOCK Shall Hot be diazed	1 101 30 days,
	 b. Lactating dairy animals shall not be grazed to c. Other animals shall be restricted from grazing 	or a minimum of 60 days. ng for 30 days;
	Supplemental commercial fertilizer or manure applica	ations will be coordinated with the biosolids and industrial for nutrients are not exceeded as identified in the nutrient accordance with §10.1-104.2 of the Code of Virginia;
	- to accumulate	cadmium, should not be grown on the Landowner's land for three al residuals which bear cadmium equal to or exceeding 0.45
	pourius/acie (0.0 kilograms/nectare).	
2	Eduir T. Cassaw I	5-13-20 Date
-	Landowner's Signature	Date
	1/4	
		22 0 1 0 / 5 12 24
E	Operator's Signature mailing addr	33 Byby Rd 5-13-20 Date
	Operator's Signature mailing addr	ess a priorie
	00WW	33 Buby Rd 5-13-20 ress & phone Date ng Green VA 22427 7-370-3107
	•	Approximation

PART D-VI: LAN	ND APPLICATION	AGREEMENT - F	RIOSOLIDS AN	D INDUSTRIAL	RESIDUALS
PARI U-VI. LAI	VU AFFLICATION	AGNLLINI - L	JIOGOLIDG AN	D INDUGINAL	

here as "Landowner", and Rountil it is terminated in writing the event of a sale of one or identified in this agreement of receive biosolids or industria. Landowner: The Landowner is the owner.	ecyc Systems by either par more parcels, changes, those I residuals und of record of the	. Inc. referred ty or, with resp until ownersh e parcels for w der this agreer ne real propert s identified be	to here as the "Permitte bect to those parcels that ip of all parcels change hich ownership has channent. y located in \(\frac{\alpha \colone{\lambda}}{\lambda} \) in Table 1 and iden	referred to referr	effect er in cels ed to s the
				als or other industrial sludges	
Tax Parcel ID	Tax P	arcel ID	Tax Parcel ID	Tax Parcel ID	
88-A-55		A 1500 + 1 3		The state of the s	
X. 35 1. 37 30 00 00 00 00 00 00 00 00 00 00 00 00	10.80. A da	10 23,46, 1	THE STATE OF THE	The Figure 18 to 18	
☐ Additional parcels containing	Charles T. Ma	211.75	ed on Supplement A (check i	f applicable)	
notify the Permittee immedia application or any part of this The Landowner hereby grant agricultural sites identified ab inspections on the land ident purpose of determining comp	of the sale with agreements for telly if condition agreement be agreement be to permission for and in Experiment above, be bliance with retreatment reside.	hin two weeks for land applicants change successions invalidated to the Permitte chibit A. The Lefore, during a gulatory required to the Permitte chibit A. The Lefore, during a gulatory required to the property of the prop	ation on the fields idention that the fields are no don't be information here to land apply residual andowner also grants per after land application rements applicable to si	fied herein. The Landowner will longer available to the Permitter in contained becomes incorrect its as specified below, on the permission for DEQ staff to conduct of permitted residuals for the uch application. Other industrial sludges	e for t.
Printed name Natalie R Ups ho By: Title* Owner * I certify that I have authority	Pho to sign for the lar	equile vone No. 540 andowner as indicate		Mutalian Wohlen Trustee or Power of attorney, etc.	
authorized by the VPA Permit R prepared for each land applicati The Permittee agrees to notify the state of the present the state of th	nittee, agrees to egulation and ir on field by a pe	agency, etc. apply biosolids amounts not to rson certified in or the Landowne	s and/or industrial residual o exceed the rates identific accordance with §10,1-10 er's designee of the propo	s on the Landowner's land in the med in the med in the nutrient management plan 04.2 of the Code of Virginia. Sed schedule for land application a	nd
Printed name Susan Trumbo Title Tochnical Management	ir application to	Mailing Address	s mington Virginia 22734	de the source of residuals to be app Permittee- Authorized Representative	med

Rev 6/11/2018

Land	owner Site Management Requirements:
land a	Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the application of biosolids, the components of biosolids and proper handling and land application of biosolids.
identi	e also been expressly advised by the Permittee that the site management requirements and site access restrictions fied below must be complied with after biosolids have been applied on my property in order to protect public health, an am responsible for the implementation of these practices.
l agre	e to implement the following site management practices at each site under my ownership following the land application solids at the site:
1.	Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2.	 Public Access a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids. b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols; c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3.	 Crop Restrictions: a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids; e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4	Following biosolids application to pasture or hayland sites: a. Meat producing livestock shall not be grazed for 30 days, b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
5.	Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6.	Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).
	Landowner's Signature Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems, Inc

Site Name:

Edwin T. Upshaw III

County or City:

Caroline Co.

Please Print

Signature not required on this page

	Signature not required on this page
Tax Parcel ID(s)	<u>Landowners (s)</u>
88-A-5	Carl D. Upshaw, Jr., Edwin T. Upshaw III, Katherine H. Upshav
88-A-10	Carl D. Upshaw, Jr., Edwin T. Upshaw III, Katherine H. Upshav
88-A-3	Edwin T. Upshaw III and Carl D. Upshaw, Jr.
88-A-4	Edwin T. Upshaw III and Carl D. Upshaw, Jr.
88-1-B	Edwin T. Upshaw III and Katherine H. Upshaw
88-A-55	Edwin T. Upshaw IV and Natalie R. Upshaw
88-A-64	Edwin T. Upshaw III Trustee
88-A-65	Edwin T. Upshaw III Trustee
88-A-66	Carl Douglas Upshaw, Jr.
89-A-18	Edwin T. Upshaw III Trustee, Sally W. Upshaw Trustee, Sherrie Upshaw POA for Sally W. Upshaw
88-A-49	Edwin T. Upshaw III Trustee, Sally W. Upshaw Trustee, Sherrie Upshaw POA for Sally W. Upshaw
99-A-17	Edwin T. Upshaw III Trustee, Sally W. Upshaw Trustee, Sherrie of Upshaw POA for Sally W. Upshaw

FARM DATA SHEET

Edwin T. Upshaw I	II COUNTY:	Caroline	
See List Below	OPERATOR:	Edwin T. Upshaw III	
See List Below	OPERATOR'S	2333 Bagl	oy Road
	ADDRESS:	Bowling G	ireen, VA 22427
See List Below	OPERATOR'S TELEPHONE:	804-633-5	5803
Row Crops Pasture/ Hay	CELL PHONE:	804-513-4	1102
40	EMAIL:	Ē	
N/A	LATITUDE:	F 1-5 F 6—14 F 15-16 F 17-20	37.946 37.938 37.925 37.917
Sparta	LONGITUDE:	F 1-5 F 6—14 F 15-16 F 17-20	
	METHOD OF DETERMINATION:	Online Ma	
w III and pshaw Road /A 22427 02 w IV and shaw er Road 22737	Carl D. Upshaw, Jr. 23035 Bagby Road Bowling Green, VA 22427 804-633-5510	25249 Ma Gether,	V. Upshaw attaponi Trail VA 22514 333-5514
	See List Below See List Below Row Crops Pasture/ Hay 40 N/A Sparta W III and pshaw Road //A 22427 02 v IV and shaw er Road 22737	See List Below OPERATOR: See List Below OPERATOR'S ADDRESS: See List Below OPERATOR'S TELEPHONE: Row Crops Pasture/ Hay CELL PHONE: MAIL: N/A LATITUDE: METHOD OF DETERMINATION: W III and pshaw Road Poshaw Poshaw Road Poshaw Ro	See List Below OPERATOR: Edwin T. 10

Field Changes Edwin T Upshaw III Caroline County

fields prior in Carl D Upshaw Jr Site Book

New Field	Old Field
CRÉTU-01	CDU-04
CRETU-02	CDU-03
CRETU-03	CDU-03
CRETU-04	CDU-02
CRETU-05	CDU-04
CRETU-06	CDU-27
CRETU-07	CDU-21
CRETU-08	CDU-20
CRETU-09	CDU-17
CRETU-10	CDU-21
CRETU-11	CDU-21
CRETU-12	CDU-22
CRETU-13	CDU-22
CRETU-14	CDU-22
CRETU-15	CDU-24
CRETU-16	CDU-24
CRETU-17	CDU-25
CRETU-18	CDU-26
CRETU-19	CDU-25
CRETU-20	CDU-25

RECYC SYSTEMS, INC FIELD DATA SHEET

Field	DEQ	Gross	Environr	Environmentally Sensitive Soils	nsitive	Soils		Тах	FSA
Identification	Control ID	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro Map	Map #	Tract#
									T 3774
CRETU 1	51033-00198-0000	27.2	1			U	YO 53	88-A-3	т Т
									T 3774
CRETU 2	51033-00197-0000	15.6	i	3	ű		YO 53	88-A-3	F 2
									T 3774
CRETU 3	51033-00197-0000	6.3	6		1	-	YO 53	88-A-3	F 3
									T 3774
CRETU 4	51033-00196-0000	15.7	î	,	ı	į	YO 53	88-A-3	Р 4
									T 3774
CRETU 5	51033-00198-0000	3.6	ř	1	ij	ŗ	YO 53	88-A-3	F 5
	8								T 3459
CRETU 6	51033-00221-0000	10.4	Ť	500	Œ	æ	YO 53	88-A-10	Ь 1
									T 3590
CRETU 7	51033-00466-0000	5.3	Í	-	ı	1	YO 53	88-1-B	F 12
								88-A-65	T 3590
CRETU 8	51033-00202-0000	21.4	ĩ		ā	1	YO 53	88-A-66	F 11
								88-A-65	T 3590
CRETU 9	51033-00203-0000	8.0	ï	,	į	1	YO 53	88-A-66	F 18
									T 3590
CRETU 10	51033-00466-0000	23.8	ř	Ŀ	1	r	YO 53	88-A-65	F 12

6-56-19

6-26-19

Page 1 of 3

Report Number: 19-015-0661 Account Number: 70594 Recyc Systems Inc Susan Trumbo Send To:

8455 Whiteshop Road Culpepper VA 22701

Waypoint, ANALYTICAL

Main 804-743-9401 ° Fax 804-271-6446 www.waypointarialytical.com 7621 Whitepine Road, Richmond, VA 23237

Grower: Carl Upshaw

"Еvery асге...Еvery year." т

SOIL ANALYSIS REPORT

Loss On Ignition Mehlich 3 SMP Buffer pH Analytical Method(s):

Water pH

C.E.C

3.6

5.1

5.0

meq/100g meq/100g Acidity 0.8 0.3 0.5 6.0 0.3 Buffer Index 6.85 6.84 6.88 6.90 H Soil 6.0 5.8 6.3 6.4 ppm Rate Sodium ف Ę Rate ₹ r I Σ I Calcium ß mdd 1069 736 649 820 587 ppm Rate Magnesium ᅥ ۲ _ 22 34 26 26 4 ppm Rate Potassium ₹ ₹ I Σ Σ ¥ 42 2 60 5 20 Date Of Report: 01/16/2019 Rate 7 E dd Rate **Phosphorus** E 9 Rate ₹ I Σ \exists I Date Of Analysis: 01/16/2019 <u>8</u>3 mdd 104 123 53 32 79 lbs/A ENR 101 101 95 83 8 Soil **≥** Rate 2.9 2.2 L 2.9 2.6 <u>≅</u> ፠ Lab Number Date Received: 01/15/2019 21595 21596 21598 21599 21597 1,5 51 Sample ID Field ID 8 A

	Soluble Salte	SS s/cm Rate					₩.
	Boron S	B SS ppm Rate ms/cm Rate					
	Copper	Cu ppm Rate					
	Iron	Fe ppm Rate					
	Manganese	Mn ppm Rate	Σ	Ξ	Σ	Σ	Σ
-	Manga	Mn	19	27	15	13	13
	Zinc	Zn ppm Rate	Ξ	Σ	٦	Ξ	I
-	Ζlı		6.3	3.4	2.2	4.2	3.8
	Sulfur	S ppm Rate	L				
	Nitrate	NO ₃ N ppm Rate					
-	LC	± %	18.8	8.3	8.8	8.4	16.0
-	Percent Base Saturation	s %					
	t Base	Ca %	67.6	81.5	80.4	86.2	73.6
	Percen	₩g %	9.7	6.0	6.7	7.4	5.7
		★ %	4.2	5.3	2.6	2.1	5.6
		Sample ID Field ID	4 A	48	2	8	12

Values on this report represent the plant evaliable nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Satts $ms/cm \times 640 = ppm$.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing. Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: Powie Me George

Pauric McGroary

Page 1 of 1

Report Number: 19-116-0684 Account Number: 70594 Recyc Systems Inc Susan Trumbo Send To:

8455 Whiteshop Road Culpepper VA 22701



Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com 7621 Whitepine Road, Richmond, VA 23237

Grower: Carl Upshaw Caroline Co

Еvery асге... Еvery year. "т

SOIL ANALYSIS REPORT

Mehlich 3 SMP Buffer pH Analytical Method(s):

meq/100g Acidity 9.0 I Buffer Index 6.87 둉 Soil 펍 6.1 ppm Rate Sodium Š ppm Rate I Calcium 655 Rate Magnesium Σ mdd 75 Potassium Rate ¥ шdd 22 Date Of Report: 04/29/2019 Rate mdd Rate **Phosphorus** mdd ppm Rate Date Of Analysis: 04/29/2019 Σ 49 lbs/A ENB Class **≥** Soil Rate 3.6 20 % Σ Lab Number Date Received: 04/26/2019 07515 Sample ID Field ID ৩

2

meq/100g

4.6

C.E.C

Water pH

Loss On Ignition

ppm Rate Boron m ppm Rate Copper చె ppm Rate Iron Fe ppm ·Rate Manganese Σ 17 ppm Rate I Zinc Z 3.6 Rate Suffur Ø Шdd NO₃ N ppm Rate Nitrate 13.0 ≖% Percent Base Saturation ₽% 71.2 % လ 13.6 §% 3.1 × % Sample ID Field ID 27

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm \times 2 = lbs/A, Soluble Salts ms/cm \times 640 = ppm. Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High), ENR - Estimated Nitrogen Release. C.E.C., - Cation Exchange Capacity.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

ms/cm Rate

SS

Soluble Salts

Analysis prepared by: Waypoint Analytical Virginia, Inc.

Pauric McGroary

by: Power Me Georgy

Date Received: 04/26/2019

Date Of Report: 04/29/2019

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn Ib/A	Manganese Mn Ib/A	Iron Fe Ib/A	Copper Cu Ib/A	Boron B Ib/A
27	Adjust pH to 6.5	0	1.0				0			2			

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet (Fall, 2019-Winter, 2021) Edwin T. Upshaw III Planner: John Doe

Tract: 392 Location: Caroline

N = N based, 1P = F	based,	1.5P =	N = N based, 1P = P based, 1.5P = P based at 1.5 remov	al, 0P = No P allowed)	(pawo)								
Field CFSA No. /Name	Size (ac) Total/	¥	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	⊨®	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum rem	Sum Commercial Notes P N-P-K rem (lbs/ac)	Notes	
2/CRETU 17(N)	Used 4/4	2019	2019 Wheat (grain)	100-60-60	20/0				80-60-60	Cred N/A			
()		2020		1) 5				3				
1/CRETU 18(N)	10/10	2019	10/10 2019 Grass Pasture	50-30-40	0/0				50-30-40	ΑN			L
3/CRETU 19(N)	22/22	2019	57/57 2019 Wheat (grain)		20/0				09-09-08	A/A			L
		2020		1									
4/CRETU 20(N)	2/2	2019	2019 Wheat (grain)	100-60-60	20/0				09-09-08	ΑN			
		2020		** ** **									

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Tract: 3459 Location: Caroline
(N = N based. 1P = P based. 1.5P = P based at 1.5 removal. 0P = No P allowed)

la lased, L	Dased,		IN DASEU, IL - L' DASEU, I.ST - L' DASEU AL I.S JEILLOVAI, OF - NO F AILOWEU	at, or - NO r a	(Daved)							
Field CFSA No. /Name	Size (ac) Total/ Used	Ϋ́.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	(p)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Sum Commercial P N-P-K rem (lbs/ac)	Notes
1/CRETU 6(N)	10/10	2019	10/10 2019 Wheat (grain)	100-60-60	0/0				100-60-60	N/A		
		2020	100	- STANSHENSE								

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress Notes:

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≢	1.5P = P based a
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8	q
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Field Size CFSA No. (ac) Name Used 12/CRETU 7(N) 5/5 14/CRETU 8(N) 24/21	₹	Crop	Noode	100	Manight Diselled	Ŀ	A (D):	Mat - Manda	Sim	Commercial	Notes
			ואפערופ	במ	Manure/Diosid	=	Man/Bios	Net = Needs -	5		2010
			N-P-K	/Man	Rate & Type	_ ਉ	N-P-K	appld N-P-K	۵.	N-P-K	
	2550		(lbs/ac)	Resid	(season)		(lbs/ac)	(lbs/ac)	rem	(lbs/ac)	
	2013		70-50-95	0/0				70-50-95	A/N		
		mt.									
	2019	Wheat (grain)	100-60-60	20/0				80-60-60	N/A		
	2020	200									
18/CRETU 9(N) 8/8	2019	Wheat (grain)	100-60-60	20/0				09-09-08	N/A		
	2020	***									
12/CRETU 10(N) 24/24		2019 Wheat (grain)	100-60-60	0/0				100-60-60	N/A		
	2020										
13/CRETU 11(N) 15/15	2019	Wheat (grain)	100-60-60	0/0				100-60-60	N/A		
	2020										
14/CRETU 12(N) 19/19		2019 Wheat (grain)	100-60-60	0/0				100-60-60	N/A		
	2020	***									
15/CRETU 13(N) 8/8	2019	2019 Wheat (grain)	100-60-60	0/0				100-60-60	N/A		
	2020	***************************************									
16/CRETU 14(N) 4/4	2019	2019 Wheat (grain)	100-60-60	0/0				100-60-60	N/A		
	2020										

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Tract: 3702 Location: Caroline (N = N based, 1P = P based, 15p = P

val OP = No P allowed)

(N = N based, 1P = P based, 1.5P = P based at 1.5P	based,	- PC.	based at 1.5 remova	removal, 0P = No P allowed)	owed)							
Field	Size	Yr.	Crop	Needs	Leg	Manure/Biosld	Ŀ	Man/Bios	Net = Needs -	Sum	Sum Commercial	Notes
CFSA No.	(ac)	Į.		N-P-K	/Man	Rate & Type	B	(d) N-P-K	appld N-P-K	۵	N-P-K	
/Name	Total/			(lbs/ac)	Resid	(season)		(lbs/ac)	(lbs/ac)	rem	(lbs/ac)	
	Used						ĺ			cred		
1/CRETU 15(N)	14/14	2019	14/14 2019 Wheat (grain)	100-60-60	20/0				09-09-08	N/A		
		2020	***************************************									
2/CRETU 16(N)	14/14	2019	14/14 2019 Wheat (grain)	100-60-60	20/0				09-09-08	N/A		
		2020	5 CONTRACTOR S									

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Location: Caroline Tract: 3774

(N = N based, 1P =	P based,	1.5P =	N = N based, 1P = P based, 1.5P = P based at 1.5 removal,	al, 0P = No P allowed)	lowed)								
Field CFSA No. /Name	Size (ac) Total/ Used	Ž.	Crop	Needs N-P-K (lbs/ac)		Manure/Biosld Rate & Type (season)	⊑ 😇	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appid N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (Ibs/ac)	Notes	
1/CRETU 1(N)	27/27	2019 2020	2019 Wheat (grain) 2020	100-60-60	0/0				100-60-60	A/N			
2/CRETU 2(N)	16/16	2019	16/16 2019 Grass Pasture	50-80-80	0/0				50-80-80	A/A			
3/CRETU 3(N)	9/9	2019	2019 Grass Pasture	50-80-80	0/0				50-80-80	N/A			
4/CRETU 4(N)	16/16	2019	2019 Wheat (grain)	100-60-60	20/0				80-60-60	A/A			L
		2020		1									
5/CRETU 5(N)	4/4	2019	2019 Wheat (grain)	100-60-60	0/0				100-60-60	ΑN			
		2020		1									

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Soil Test Summary

Tract	Field	Acre	Date	P205	K20	Lab	Soil	Lime	rec. lime
392	CRETU 17	4	N. F				5.		
392	CRETU 18	10	[88] 189]						
392	CRETU 19	22							
392	CRETU 20	2							
3459	CRETU 6	10							
3590	CRETU 7	22	lest]						
3590	CRETU 8	21	resul [No Test]						
3590	CRETU 9	∞	No No				DO		
3590	CRETU 10	24							
3590	CRETU 11	15			0				
3590	CRETU 12	19							
3590	CRETU 13	80							
3590	CRETU 14	4							
3702	CRETU 15	4							
3702	CRETU 16	4						•8	
3774	CRETU 1	27							
3774	CRETU 2	16	[No.1						
3774	CRETU 3	9	[No Test]						

[No Test] [No Test] 91 4 CRETU 4 3774

Field Productivities for Major Crops

Environmental Warnings																								
Environme																								
Grass	≡		Ξ	=	_	≡	=	=	=	=	=	=	=	=	=	=		=		=	=	=	=	
Alfalfa	Not	Not Suited	Not	Sulled Not	B =	Not	Suited Not	Suited Not	Suited Not	Suited III	Not	Suited	Suifed	=	Not	Suited	Suited	Not	Suited	=	=	Not	Suited Not	Suited
Small	=	=	=	=	_	=	=	=	=	=	=	=	=	_	=	=	=:	=	;	= :	=	=	=	
Corn	≣a	<u>=</u>	<u>=</u>	<u>a</u>	a a	a	<u>a</u>	<u>=</u>	<u>≡</u>	≡	<u>=</u>	=	<u>v</u>	<u>a</u>	a	=	3	Illa	:	<u>a</u>	<u> </u> a	≡a	<u>a</u>	
Predominant Soil Series	Kempsville	Kempsville	Kempsville	Kempsville	Slagle	Kempsville	Kempsville	Kempsville	Kempsville	Вата	Kempsville		Verilpsville	Altavista	Kempsville	Kempeville		Kempsville	;	Kempsville	Slagle	Kempsville	Kempsville	
Acres	4	10	25	2	10	က	21	∞	24	15	19	0	0	4	14	7	-	27	•	9 ,	စ	16	4	
Field Name	CRETU 17	CRETU 18	CRETU 19	CRETU 20	CRETU 6	CRETU 7	CRETU 8	CRETU 9	CRETU 10	CRETU 11	CRETU 12	CDETT: 43	CNE O IS	CRETU 14	CRETU 15	CRETII 16	2	CRETU 1	; ; ;	CRETU 2	CRETU 3	CRETU 4	CRETU 5	
Tract/ Field	392/2	392/1	392/3	392/4	3459/1	3590/12	3590/11	3590/18	3590/12	3590/13	3590/14	2500/15	00000	3590/16	3702/1	3702/2	1	3774/1	9	3774/2	3//4/3	3774/4	3774/5	
Tract Name	392				3459	3590									3702			3774						

Yield Range

Field Productivity	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre	
Group	>170	>80	>64	9^	>4.0	
=	150-170	70-80	56-64	4-6	3.5-4.0	
=	130-150	02-09	48-56	4>	3.0-3.5	
≥	100-130	50-60	40-48	٧Z	<3.0	
>	<100	<50	<40	۷×	AN	

Farm Summary Report

Fall, 2019 - Winter, 2021 **New Plan** Plan:

Edwin T. Upshaw III Caroline Farm Name:

John Doe Specialist: Location:

N-based Acres: 282.6 P-based Acres: 0.0

392 392 **Tract Name:** FSA Number:

Caroline Location:

CRETU 1700 Usable Acres: 4.00 4.00 Field Name: Total Acres:

2 392 FSA Number:

Location: Tract:

Caroline Hydrologic Group: Ω Slope Class:

Ω

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

℩ Soil Test Results:
DATE PH
[NO TEST]

Lab

 \checkmark

Soils:

SOIL SERIES SYMBOL SOIL SERIE: 11A Emporia Kempsville 11B Emporia Kempsville PERCENT 13 87

Field Warnings:

CRETU 18 Field Name:

Usable Acres: 9.60 9.60 Fotal Acres:

FSA Number:

392 Tract: Location:

Caroline Hydrologic Group: O Slope Class:

Δ

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Δ Soil Test Results: DATE PH

[NO TEST]

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Soils:

Emporia Kempsville Remlik Emporia Kempsville SOIL SERIES SYMBOL **PERCENT** 28 18 46

Emporia Kempsville 10E 11A 11B 21C

Kempsville Slagle

Field Warnings:

Field Name:

CRETU 19 56.50 Usable Acres: 56.50 Fotal Acres:

FSA Number:

3 392 Tract:

Location: Slope Class:

Caroline Hydrologic Group: മ

Ω

Lab

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Д Soil Test Results:
DATE PH
[NO TEST]

 \checkmark

Lab

Soils:

Emporia Kempsville Remlik Emporia Kempsville Emporia Kempsville SOIL SERIES Bama SYMBOL 38 B? 10E Er 11A Er 11B Er PERCENT

Field Warnings:

Field Name:

Usable Acres: 1.50 CRETU 20 1.50 Usable Total Acres: FSA Number:

392 Tract:

Caroline Hydrologic Group: Ω Slope Class: Location:

Ω

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results: DATE PH

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Lab

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[NO TEST]

Soils:

SOIL SERIES SYMBOL 11B En 21C Ke PERCENT

Emporia Kempsville Kempsville Slagle

Field Warnings:

3459 3459 Tract Name: FSA Number:

Caroline Location:

CRETU 6 10.40 Usable Acres: 10.40 Field Name: Total Acres:

FSA Number:

3459 Location: Tract:

Caroline Hydrologic Group: Ш

Slope Class:

S

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:
DATE PH
[NO TEST]

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Soils:

PERCENT 7 30

SOIL SERIES
Kempsville Slagle
Emporia Kempsville
Slagle SYMBOL 21C Ke 11B Er 22B Si

Lab

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Field Warnings:

Tract Name:

3590 3590 FSA Number:

Caroline Location:

CRETU 7 Field Name:

Usable Acres: 5.30 Fotal Acres:

5.30

12 FSA Number: Tract:

3590

Location: Slope Class:

Δ Caroline Hydrologic Group: Ω

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices: Pasture (>75% cover)

P-Index Summary N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

۵ Soil Test Results:
DATE PH
[NO TEST]

Soils:

SOIL SERIES SYMBOL 10E Er 11A Er 11B Er **PERCENT** 9

Emporia Kempsville Remlik Emporia Kempsville Emporia Kempsville

44 5

Field Warnings:

CRETU 821.40 Usable Acres: 21.40 Field Name: Total Acres: FSA Number:

Lab

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3590 Location: Slope Class: Tract:

Caroline Hydrologic Group: ω

Ш

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

 \checkmark ۵ Soil Test Results:
DATE PH
[NO TEST]

Soils:

L SOIL SERIES Emporia Kempsville Remlik Emporia Kempsville Emporia Kempsville Kempsville Slagle SYMBOL 10E EI 11A EI 11B EI 21C K **PERCENT** 3 50 3 3

Field Warnings:

CRETU 9 Field Name: Total Acres:

Usable Acres: 8.00 8.00

FSA Number:

18 3590 Tract:

Hydrologic Group: Caroline O Location: Slope Class:

മ

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Lab

 \checkmark ۵ Soil Test Results: DATE PH [NO TEST]

Lab

Soils:

Kempsville Slagle Emporia Kempsville Remlik Emporia Kempsville SOIL SERIES SYMBOL 21C 10E 11B PERCENT 18 24 57

Field Warnings:

23.80 Usable Acres: 23.80 **CRETU 10** Field Name: Total Acres:

3590 12 FSA Number: Tract:

Caroline Hydrologic Group: **ന** Slope Class: _ocation:

Ω

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:
DATE PH
[NO TEST]

۵

Soils:

Emporia Kempsville Remlik Emporia Kempsville Emporia Kempsville SOIL SERIES SYMBOL 10E Er 11B Er 11C Er PERCENT 2 19 19

Lab

 \checkmark

Field Warnings:

CRETU 11

15.30 Usable Acres: 15.3013

Field Name: Total Acres: FSA Number:

3590 Tract:

Caroline Hydrologic Group: Δ Location: Slope Class:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method N-based

Soil Test Results:
DATE PH
[NO TEST]

 \checkmark ۵.

Lab

Soils:

SOIL SERIES Emporia Kempsville Emporia Kempsville Bama SYMBOL 11C 11B 3B PERCENT 20 27 53

Field Warnings:

CRETU 12 18.60 Usable Acres: 18.60 Field Name: Total Acres:

14 3590 FSA Number:

Tract:

Caroline Hydrologic Group: ပ Location: Slope Class:

മ

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method N-based

Soil Test Results:
DATE PH
[NO TEST]

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 \mathbf{x}

Lab

Soils:

SYMBOL PERCENT

SOIL SERIES
Emporia Kempsville Remlik
Emporia Kempsville 10E 11B 21C

Kempsville Slagle

59 31

Field Warnings:

Field Name: Total Acres:

Usable Acres: 7.70 CRETU 13 7.70 Usable 15 3590

FSA Number:

Tract:

Location: Slope Class:

Caroline Hydrologic Group: Ω

Ω

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

۵ Soil Test Results: DATE PH [NO TEST]

SYMBOL PERCENT

SOIL SERIES

Lab

 \checkmark

Kempsville Slagle Emporia Kempsville 21C 11B 17

Field Warnings:

CRETU 14

Usable Acres: 4.40 4.40 Field Name: Total Acres:

16 FSA Number: Fract:

3590

Caroline Hydrologic Group: O Location: Slope Class:

ပ

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:
DATE PH
[NO TEST]

 \mathbf{x} ℩

Lab

Soils:

SOIL SERIES SYMBOL PERCENT 0

Emporia Kempsville Kempsville Slagle 11B 21C 1B

Altavista

4₇

Field Warnings:

Tract Name:

3702 3702 FSA Number:

Caroline Location:

CRETU 15 13.70 Usable Acres: 13.70 Field Name: Total Acres: FSA Number:

3702 Tract:

Δ Location: Slope Class:

Caroline Hydrologic Group:

മ

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

 \mathbf{Y} Δ Soil Test Results:
DATE PH
[NO TEST]

Soils:

SYMBOL PERCENT 2 73 25

OL SOIL SERIES
Emporia Kempsville Remlik
Emporia Kempsville
Kempsville Slagle 10E 11B 21C

Field Warnings:

Field Name: Total Acres:

CRETU 16 14.00 Usable Acres: 14.00

FSA Number:

2 3702 Tract:

Caroline Location:

Hydrologic Group: Ω Slope Class:

മ

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Lab

¥ ۵ Soil Test Results:
DATE PH
[NO TEST]

Soils:

SYMBOL SOIL SERIES
10E Emporia Kempsville Remlik
11A Emporia Kempsville
11B Emporia Kempsville
21C Kempsville Slagte PERCENT 9329

Field Warnings:

3774 3774 **Tract Name:** FSA Number:

Caroline Location:

CRETU 1 27.20 Usable Acres: 27.20 Field Name: Total Acres: FSA Number:

3774 Location: Tract:

Hydrologic Group: Caroline O Slope Class:

ω

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Δ PH [NO TEST] Soil Test Results: DATE PH

 \mathbf{x}

SOIL SERIES SYMBOL **PERCENT** Soils:

Lab

Lab

Emporia Kempsville Remlik Emporia Kempsville Kempsville Slagle 10E 11B 21C 10 81 9

Field Warnings:

Field Name:

CRETU 2 15.60 Usable Acres: 15.60 Total Acres:

-SA Number:

3774 Tract:

Location:

Caroline Hydrologic Group: ပ Slope Class:

O

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices: Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

₾ Soil Test Results:
DATE PH
[NO TEST]

 \checkmark

Гар

Soils:

OL SOIL SERIES Kempsville Slagle Emporia Kempsville SYMBOL 21C Ke 11B En PERCENT 69 31

Field Warnings:

CRETU 3

Usable Acres: 6.30 6.30 Field Name: Total Acres:

က FSA Number: Tract:

3774

Caroline Hydrologic Group: Location: Slope Class:

O

ပ

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices: Pasture (>75% cover)

P-Index Summary N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:
DATE PH
[NO TEST]

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PERCENT 16 Soils:

Emporia Kempsville Remlik Emporia Kempsville Kempsville Slagle SOIL SERIES SYMBOL 10E Er

11C 21C

Field Warnings:

CRETU 4

15.70 Usable Acres: 15.70 Field Name: Total Acres:

FSA Number:

3774 Tract:

Caroline Hydrologic Group: Ω Location: Slope Class:

Ω

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary N-based

Lab

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

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esults:	H
Soil Test R	DATE PH

Lab

SOIL SERIES Emporia Kempsville Emporia Kempsville Emporia Kempsville Kempsville Slagle SYMBOL 11B 11C 21C [NO TEST] PERCENT 8 60 15 Soils:

Field Warnings:

3.60 Usable Acres: **CRETU 5** 3.60 3774 FSA Number: Field Name: Fotal Acres: Location: Tract:

B Caroline Hydrologic Group: Ω Slope Class:

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method \mathbf{Y} Ф Soil Test Results:
DATE PH
[NO TEST]

Lab

SOIL SERIES SYMBOL SOIL SERIE: 11A Emporia Kempsville 11B Emporia Kempsville PERCENT Soils:

32 21C

21C Kempsville Slagle

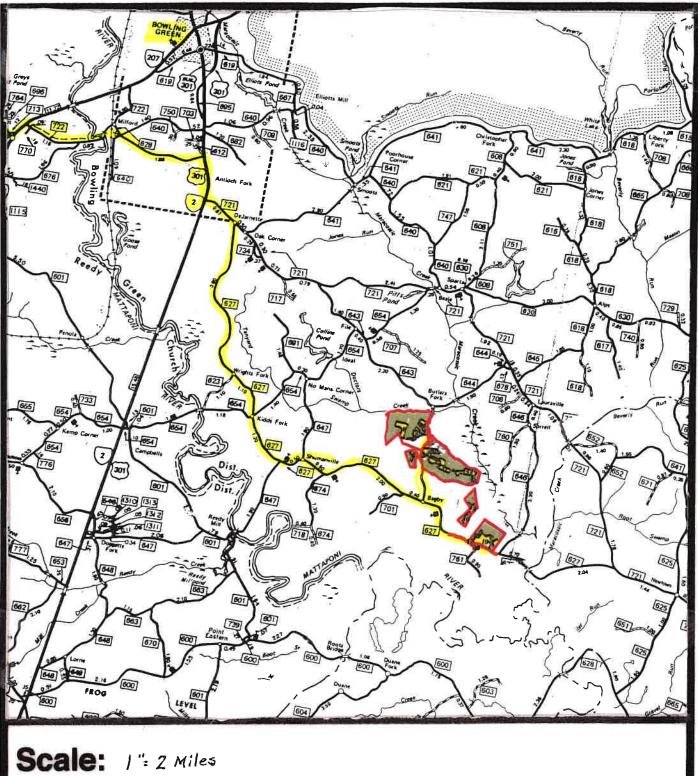
Field Warnings:

MAPS

Recyc Systems Inc.

(Biosolids Land Application)

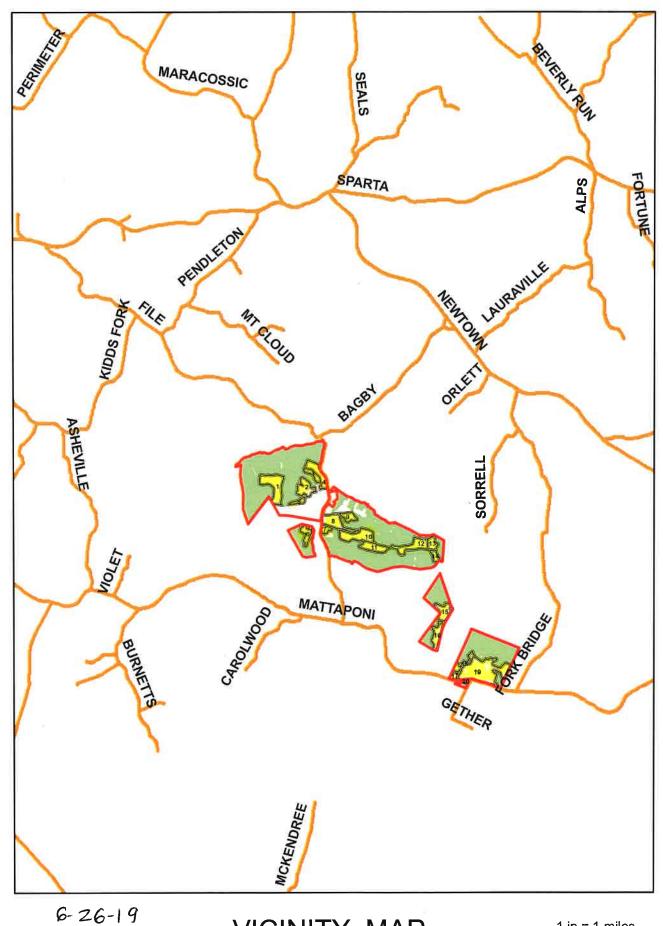




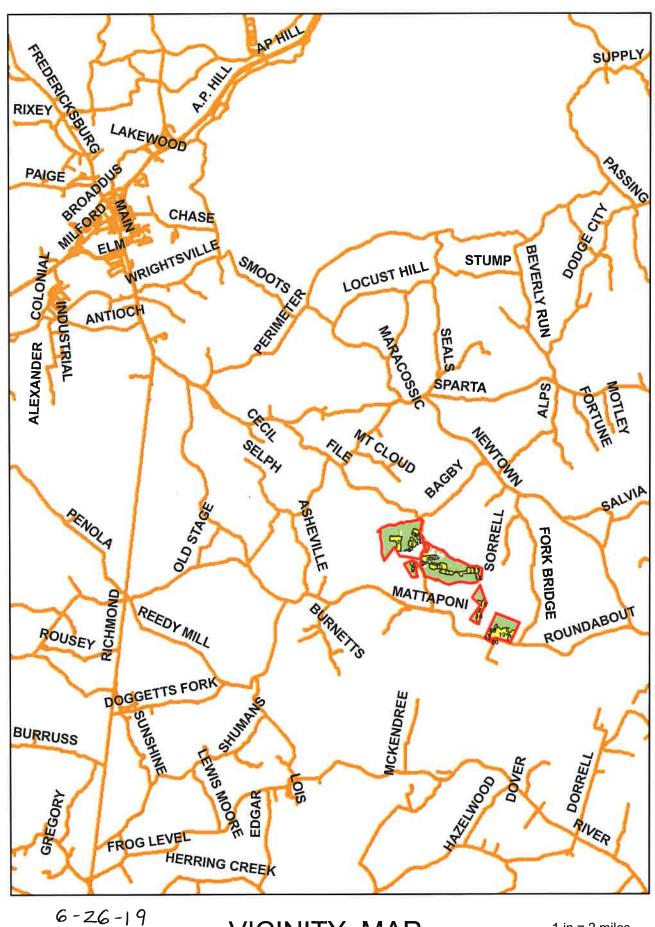
Truck Route marked in Yellow

VICINITY MAP



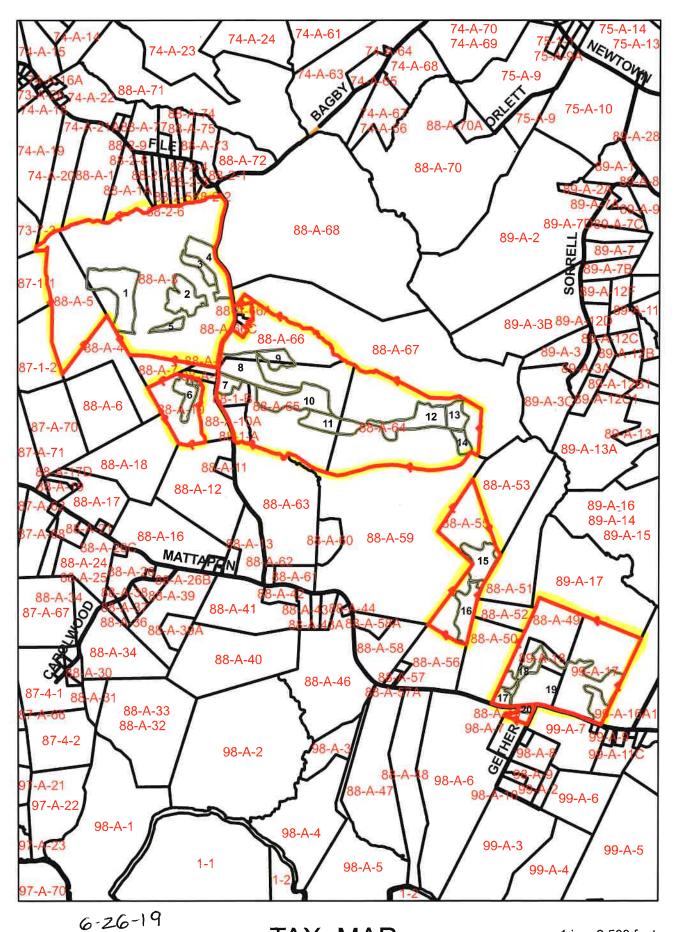


VICINITY MAP



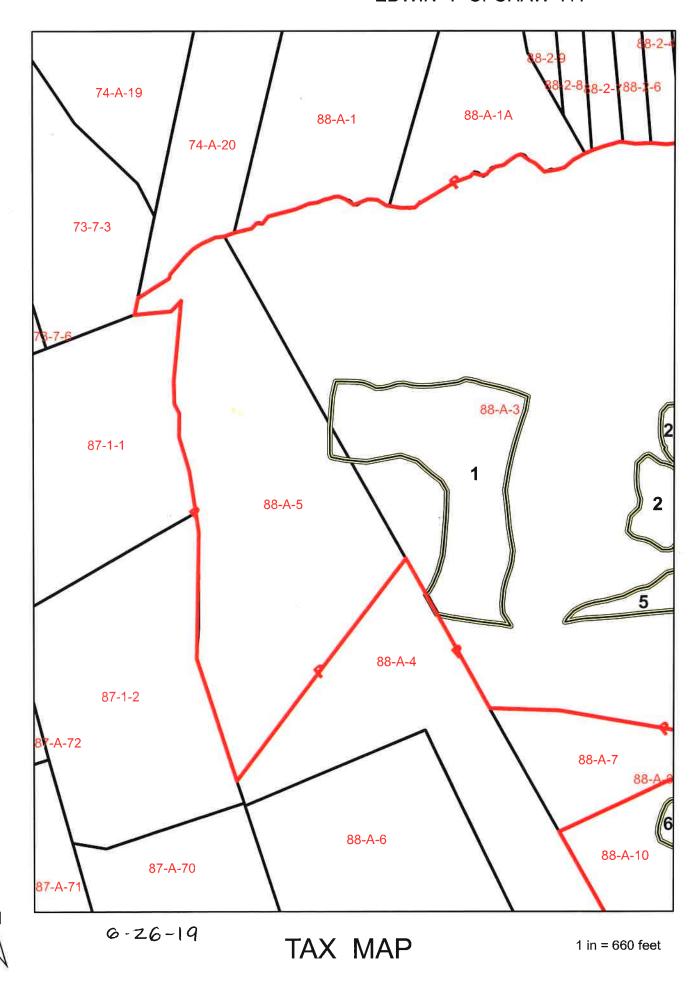
VICINITY MAP

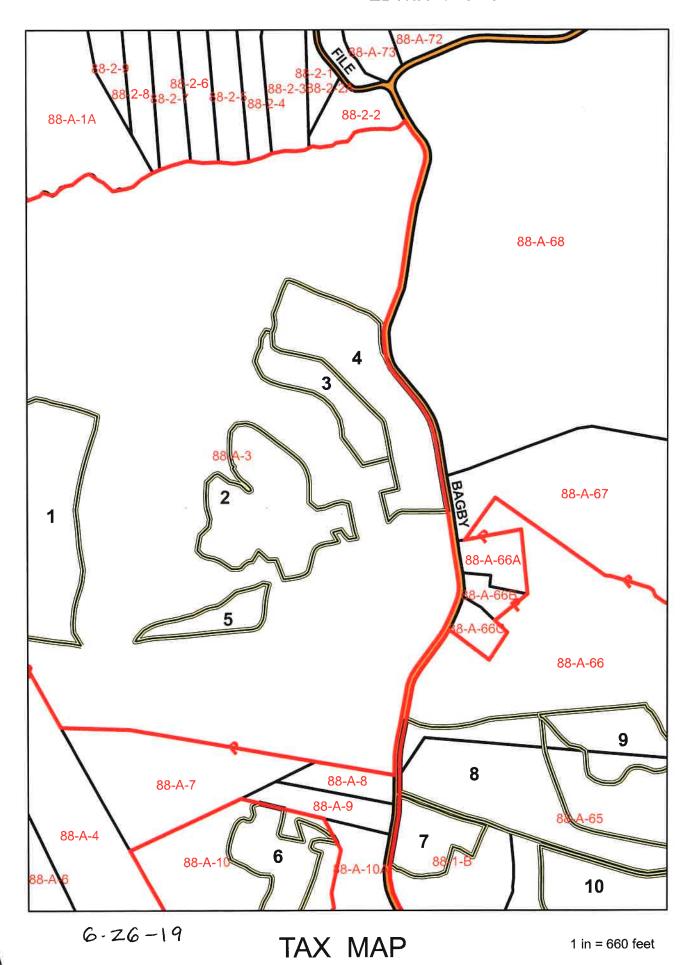
1 in = 2 miles

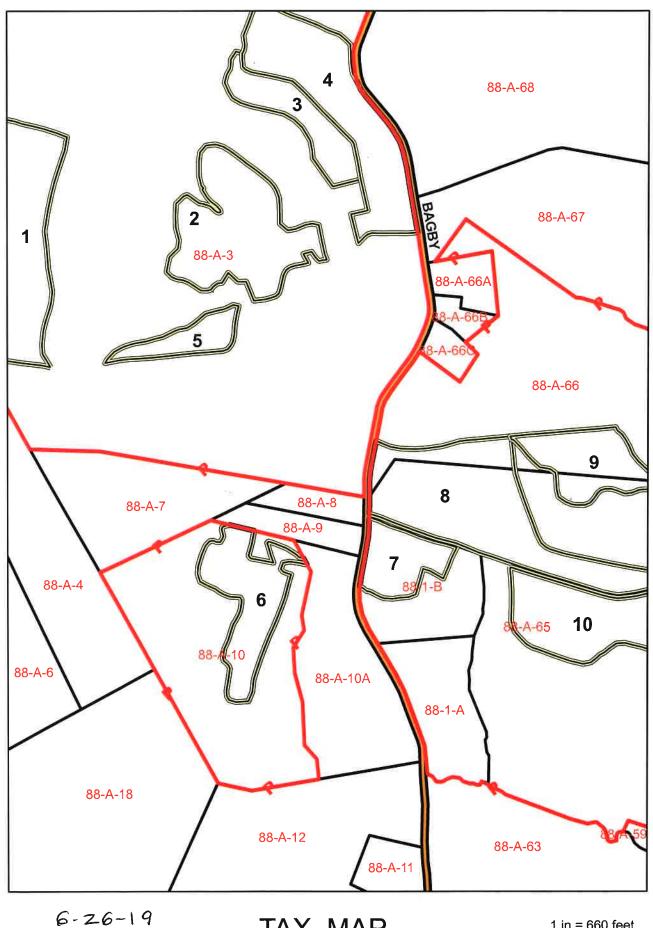


V

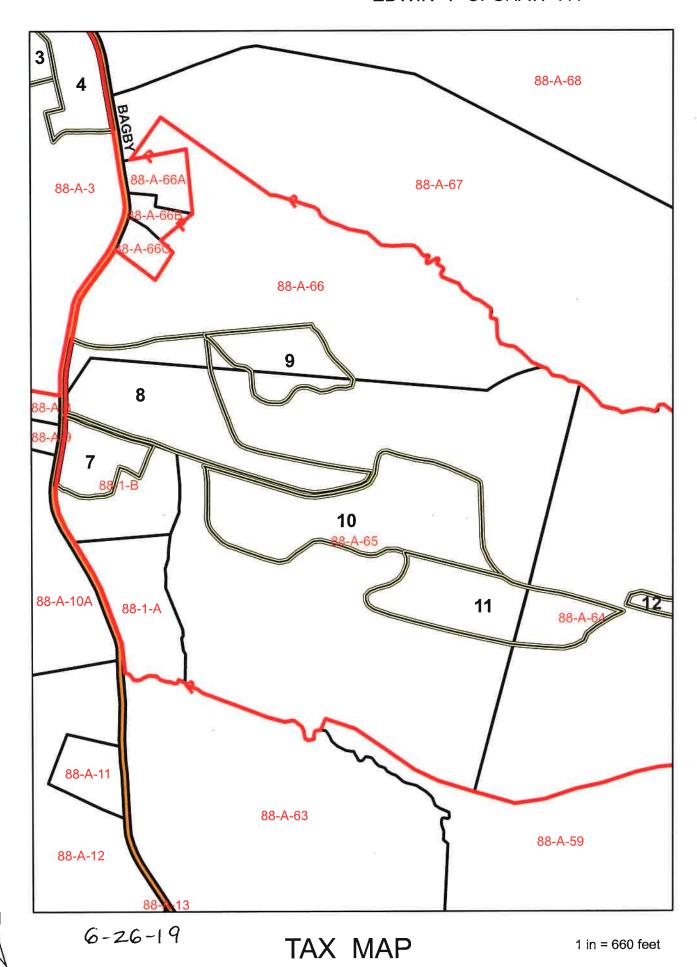
TAX MAP

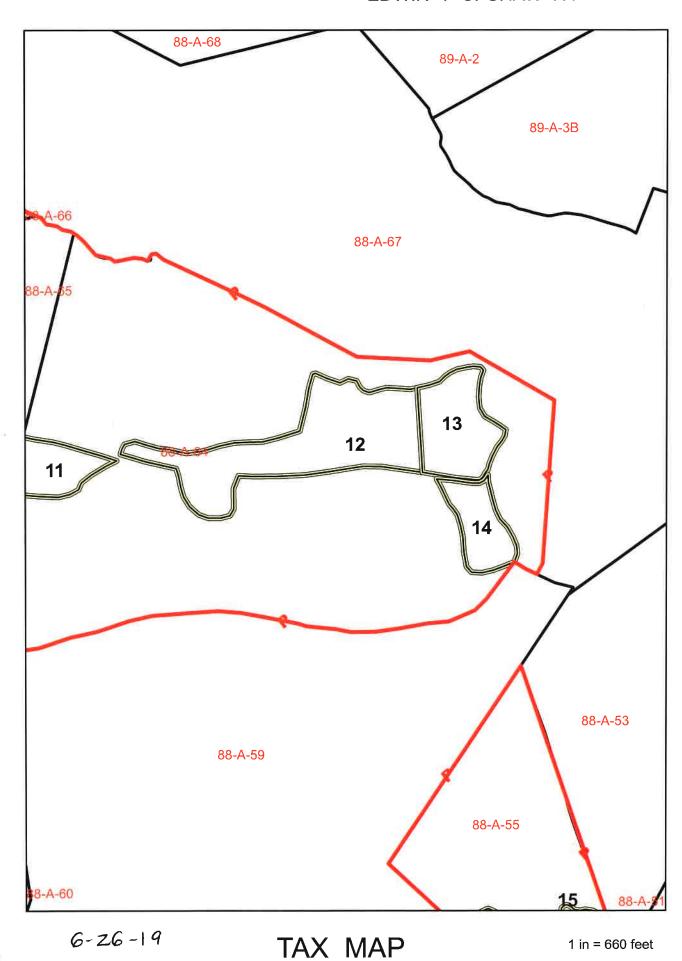


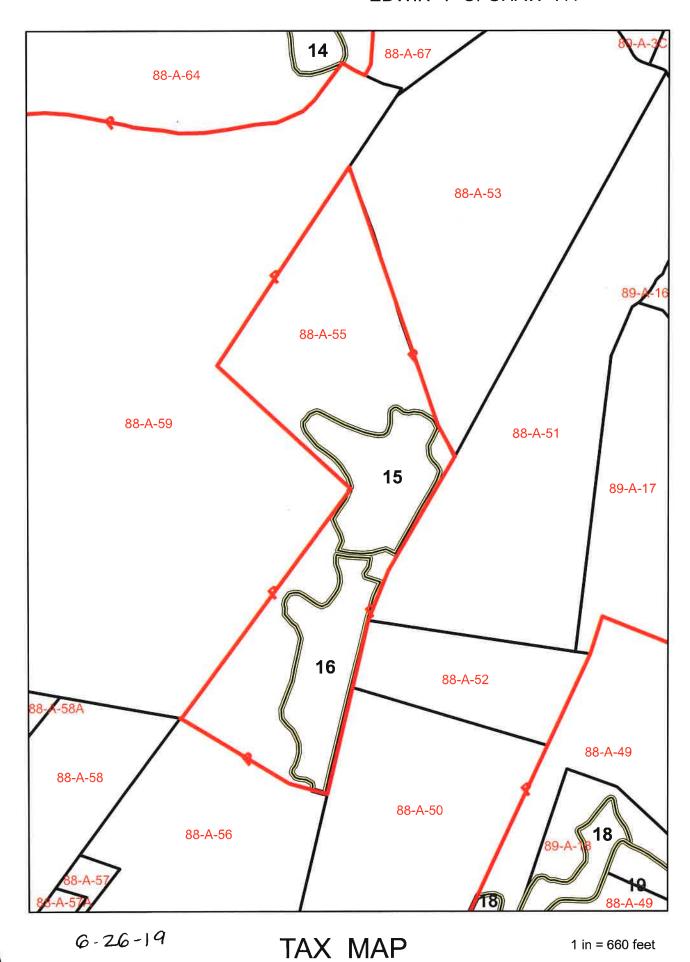


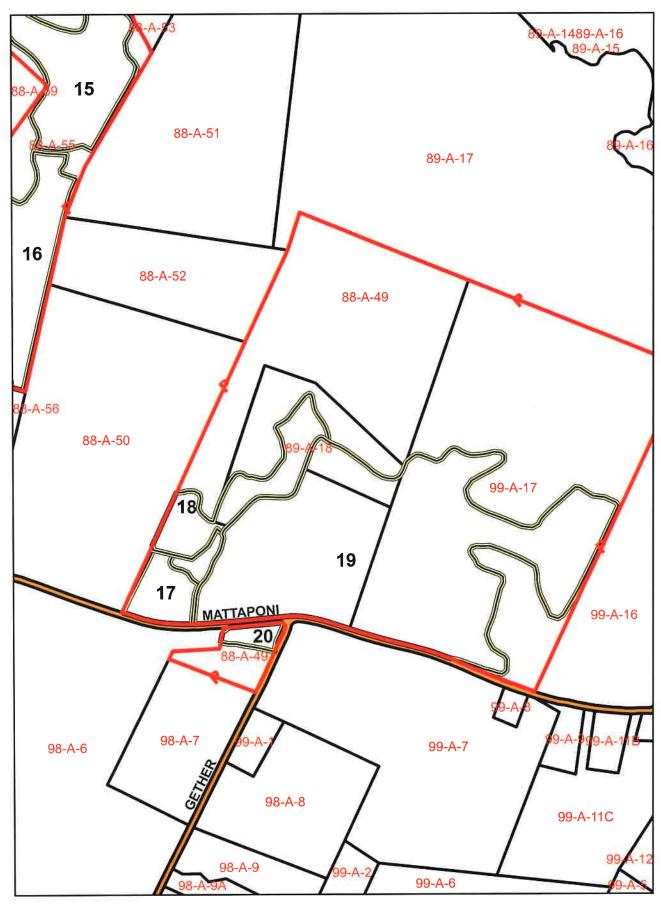


TAX MAP





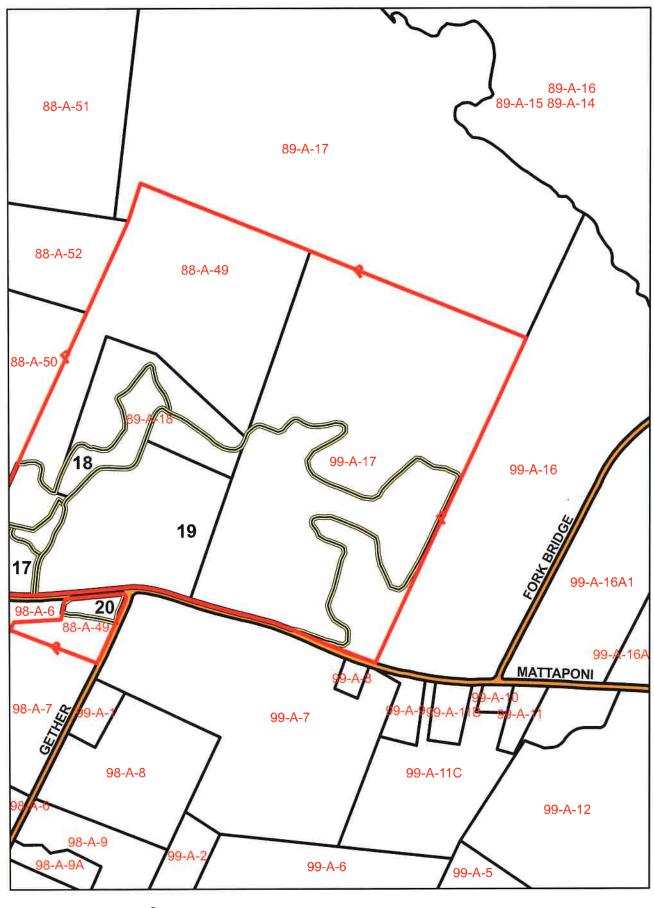




6-26-19

TAX MAP

1 in = 660 feet



N

6-26-19

TAX MAP

1 in = 660 feet

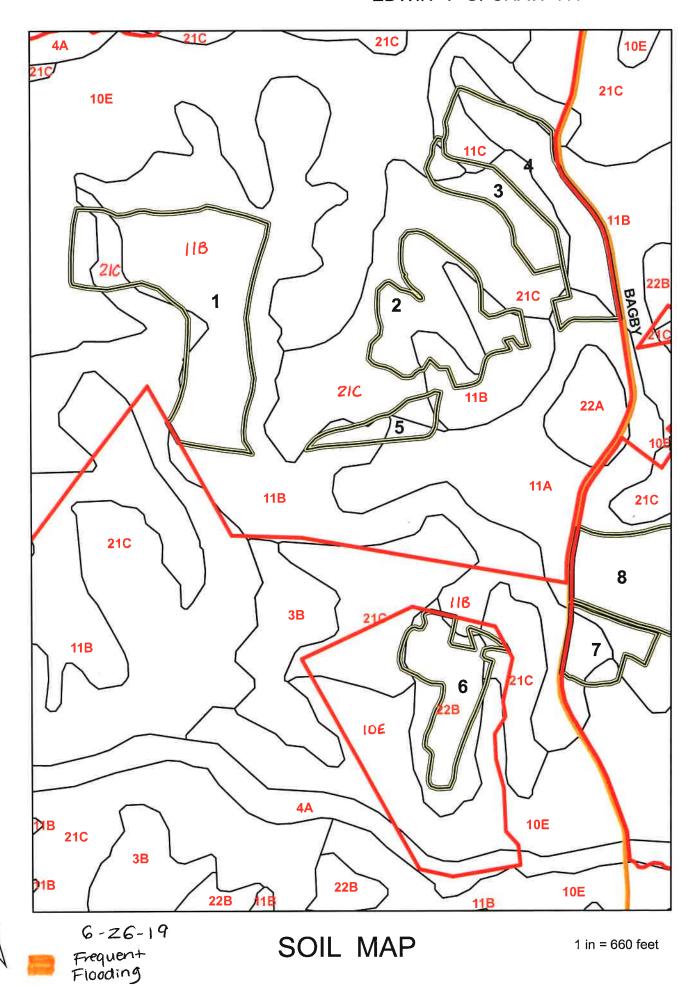
ADJOINING LANDOWNERS

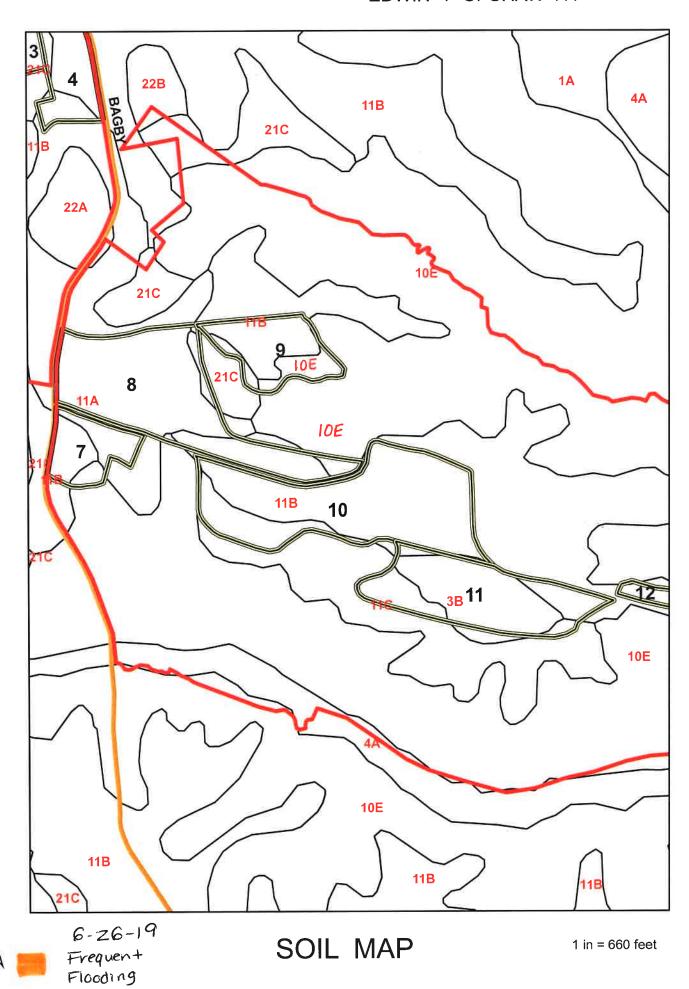
EDWIN T. UPSHAW III

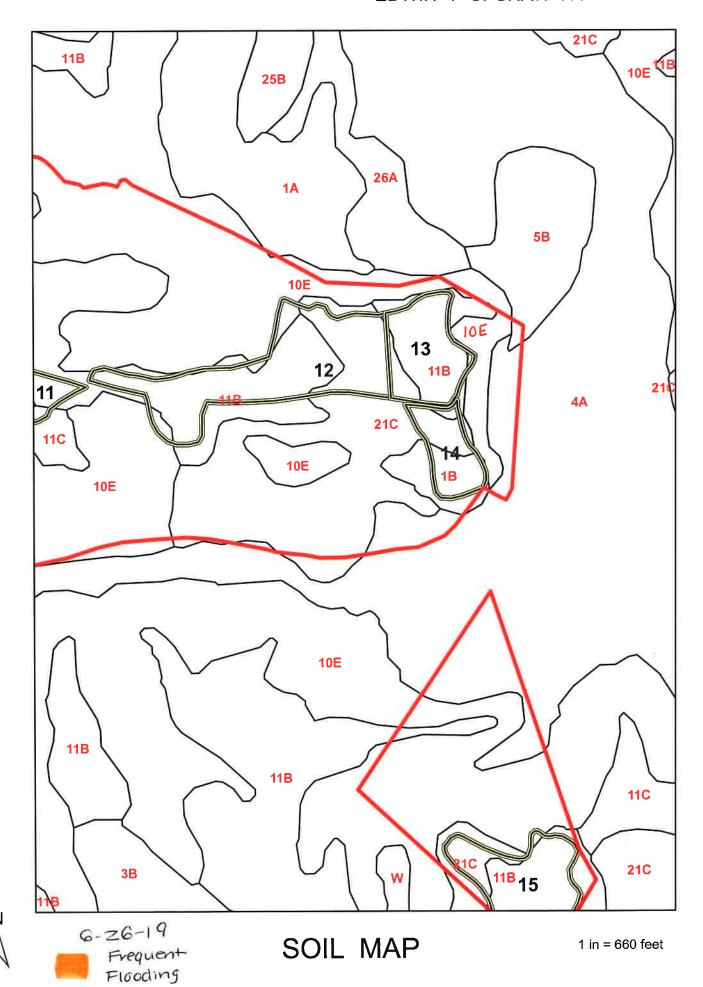
CAROLINE COUNTY

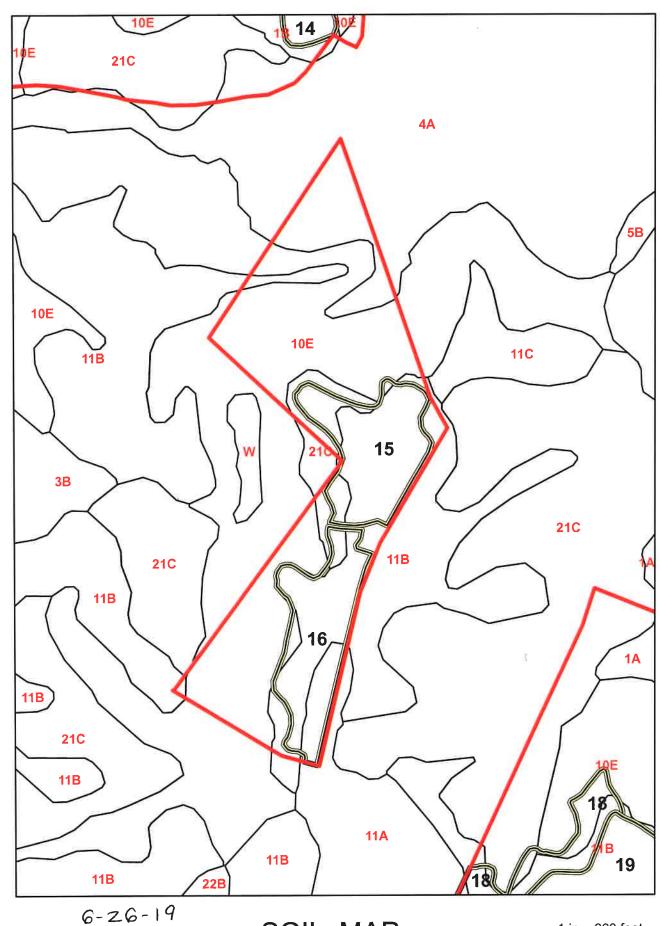
Tax Map	Parcel #	Owner Name(s)
200055132 C 0		
73-7	3	Sandra L. Boisseau
74-A	19	Reginald Wendall Bennett
	20	Warren L. Andrews
07.4	1	AT TIME
87-1	1	No Listing
	2	Edwin T. Upshaw III and Katherine H.
88-A	1	Walter H. Cummings and Kimberly A. Lynch
	1A	Reginald W. Bennett
	4	Edwin T. Upshaw III and Carl D. Upshaw, Jr.
	6	Benjamin B. Jeter
	7	Edwin T. Upshaw III and Carl D. Upshaw, Jr.
	8	Carl Douglas Upshaw, Jr.
	9	Jane E. Groat
	10A	Olivia Jones Trustee
	12	Joseph I. Thomas, Jr.
	18	Five Poles Farm LLC
	50	Nancy Ball Sharp Trustee
	51	Nancy Ball Sharp Trustee
	52	Nancy Ball Sharp Trustee
	53	Sherrie A. Upshaw and Sandra Buissett
	56	Lynwood D. and Rebecca B. Broaddus
	58	Frank T. Huffman, Jr. and Susan B.
	59	Ralph C. Gibson III and Glen Gordon Gibson
	63	Gregory W. Vaughan and Judson T. Vaughan III
	66A	Charles Upshaw
	66B	Charles Upshaw
	66C	Carl Douglas Upshaw, Jr.
	67	Carl D. Upshaw, Jr.
	68	Margarette C. Upshaw

Tax Map	Parcel #	Owner Name(s)
88-A	70	Timothy D. Varley and Christina Y. Gauthier
	73	Leo Wayne and Linda Johnson
88-1	A	Edwin T. Upshaw III and Katherine H.
88-2	1	Jeweldene Christian
	2	Mary Jo Lunoe
	2A	William C. Leadbetter and Taylor M. Stabley
	3	Charley W. Deyo, Jr.
	4	Mark J. and Claudia Depollo
	5	Damon L. Gray, Jr. and Kimberly L.
	6	Mary Gray
	7	Damon L. and Mary Gray
1	8	Stanley A. Fields III and Jennifer E. Gray
	9	Samuel T. Frantum
89-A	17	Edwin T. Upshaw III and Katherine H.
98-A	6	Woodford B. Broaddus and Jean D.
, , , , ,	7	Woodford B. Broaddus and Jean D.
99-A	1	Gary L. Payne
	7	Robert Dwain Upshaw
	8	Robert Dwain Upshaw
	9	Ellis R. Lowry, Jr.
	16	Edward L. and Susan C. Upshaw Trs.



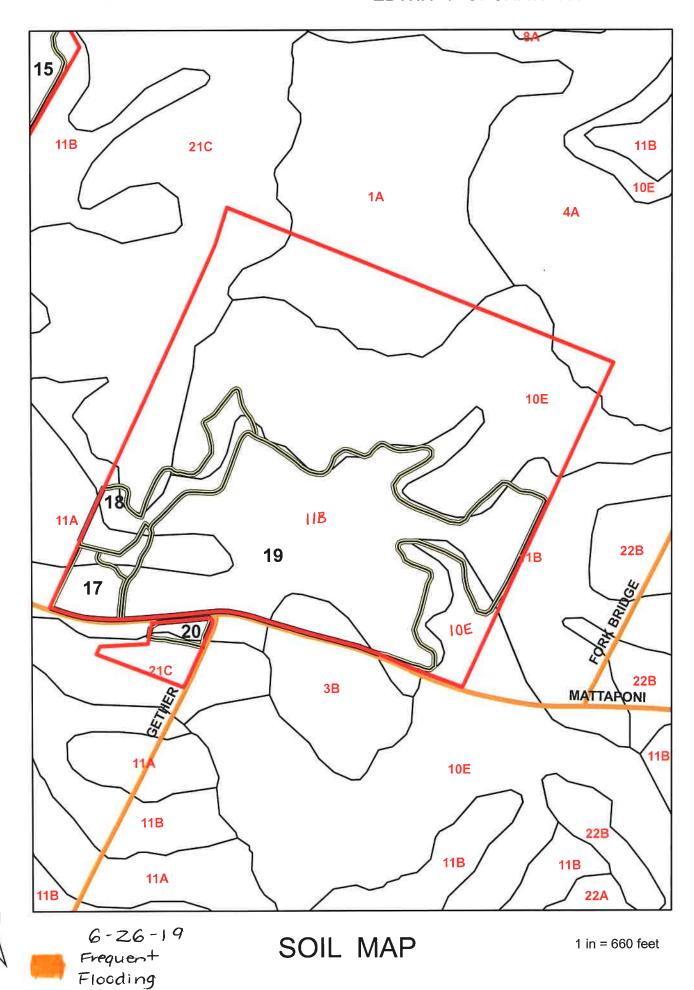






Frequent Flooding SOIL MAP

1 in = 660 feet

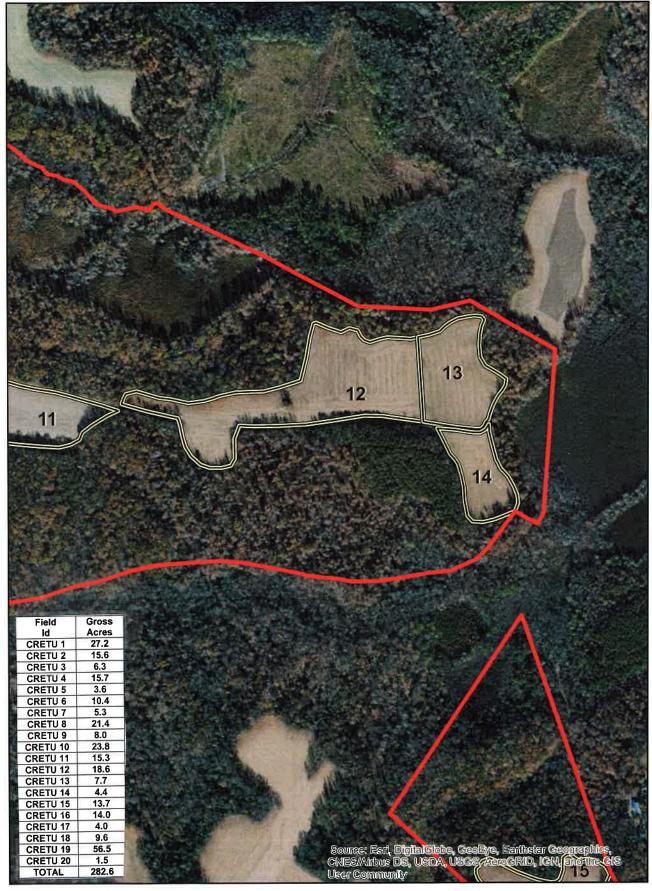




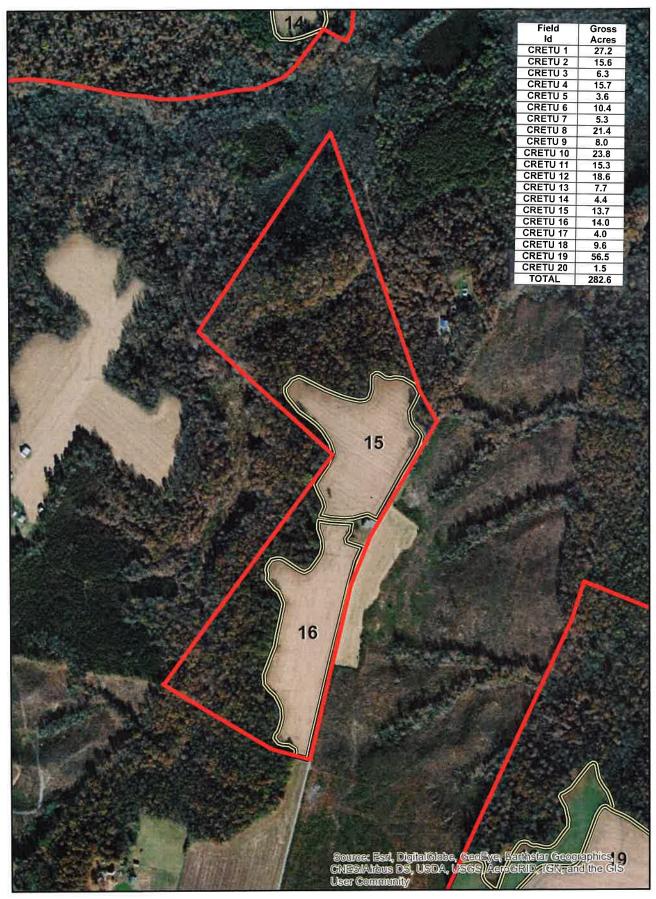




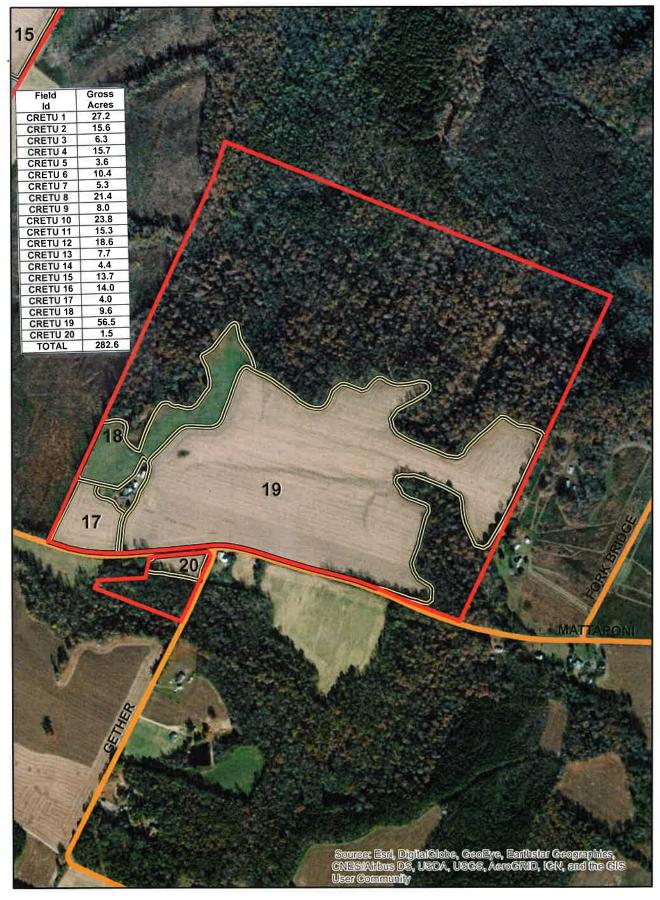




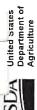












Caroline County, Virginia

Common Land Unit Farm 2862 Tract 3774 Feet 1,080 540 4 15.72 HEL 270 3 6.32 HEL 15.57 HEL 5)3.60 HEL (1)27.23 NHEL

2019 Program Year

Map Created June 05, 2019

Exempt from Conservation Wetland Determination Restricted Use Tract Boundary Non-Cropland rcl_l_va033 Identifiers Cropland

Compliance Provisions

Tract Cropland Total: 68.44 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and the producer accepts the data as sumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

SDA United States
Department of
Agriculture

Caroline County, Virginia

Farm 2862

ract 3459

Feet 1 10.40 NHEL

2019 Program Year

Map Created June 05, 2019

Common Land Unit

Non-Cropland Cropland

rcl_l_va033 Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- □ Limited Restrictions
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 10.40 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer accepts the data 'as is' and assumes all risks associated with its use, USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

SDA United States
Department of Agriculture

ent of Caroline (

Caroline County, Virginia



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Farm 2866

Tract 3590

2019 Program Year

Map Created June 05, 2019

Common Land Unit

Non-Cropland Cropland rcl_l_va033

rcl_Lva033 Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 105.64 acres

United States
Department of
Agriculture

Caroline County, Virginia

Common Land Unit Farm 2993 Tract 3702 ,320 099

2019 Program Year

Map Created June 05, 2019

Wetland Determination Restricted Use dentifiers

Tract Boundary

Cropland

, Non-Cropland

Exempt from Conservation Compliance Provisions T.

Tract Cropland Total: 28.13 acres

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United states Department of Agriculture

Caroline County, Virginia

Farm 2607

Fract 392

2019 Program Year

Map Created June 05, 2019

Common Land Unit

3 56.45 H

吊

1 9.59 HEL

Non-Cropland rcl 1_va033 Cropland

Tract Boundary

Wetland Determination dentifiers

- Restricted Use
- V Limited Restrictions
- Exempt from Conservation Compliance Provisions

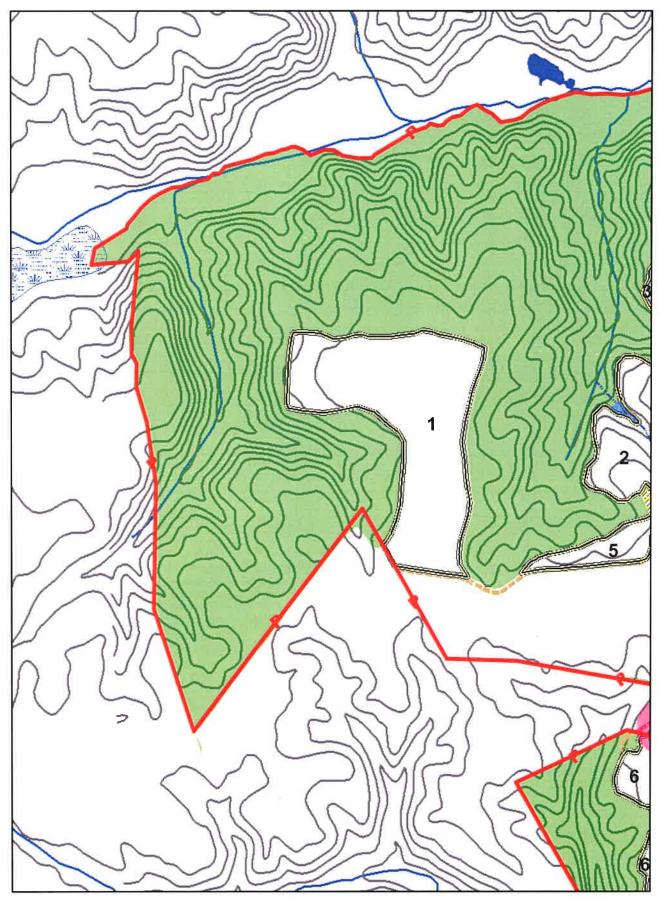
Tract Cropland Total: 71.49 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer accepts the data 'as is' and assumes all risks associated with its use, USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area, Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Matural Resources Conservation Service (NRCS).

Legend For Site Plan

Symbol	Feature	Minimum Setback
H/W	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
ws	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
ш	Wet Spot	
	Trees and Woods	
	Private Drive	
R	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
Ξ	Severely Eroded Spot	18 Inch minimum depth of soil
5	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
to the state of the	State Road	10 feet from side of roadway
	Fence / Field Boundary	
_P _ P_ P_	Property Line	100 feet from property line *
SL S	Slope	15% maximum
	Hashed out Area	No application

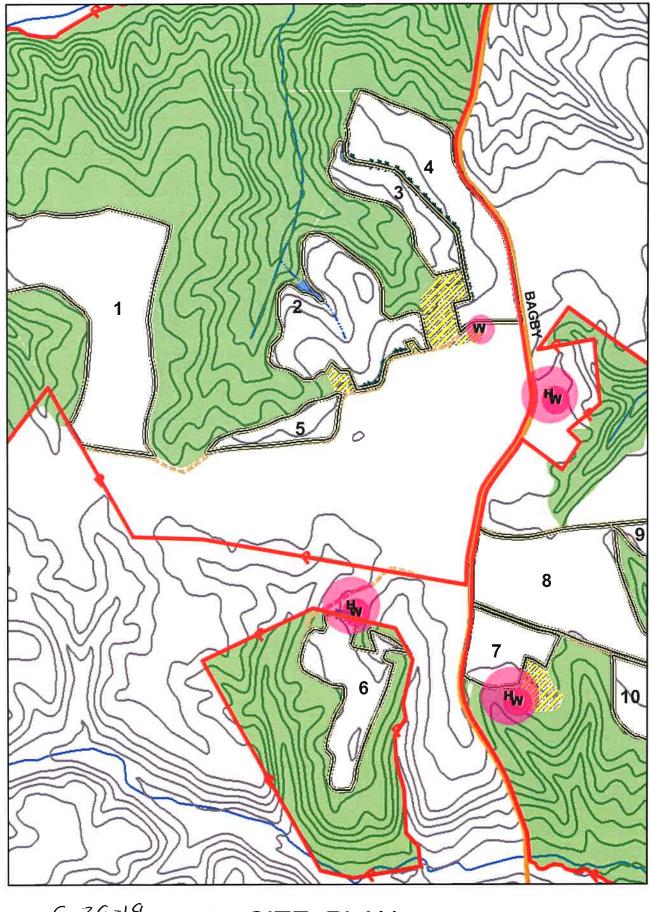
^{*}Buffer can be reduced or waived upon written consent from landowner.



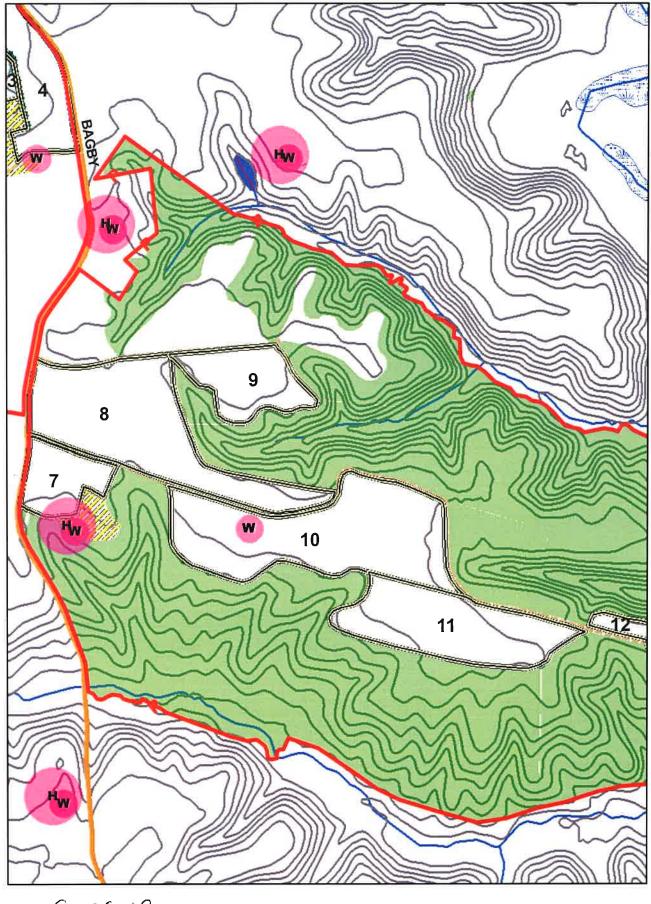
N

6-26-19

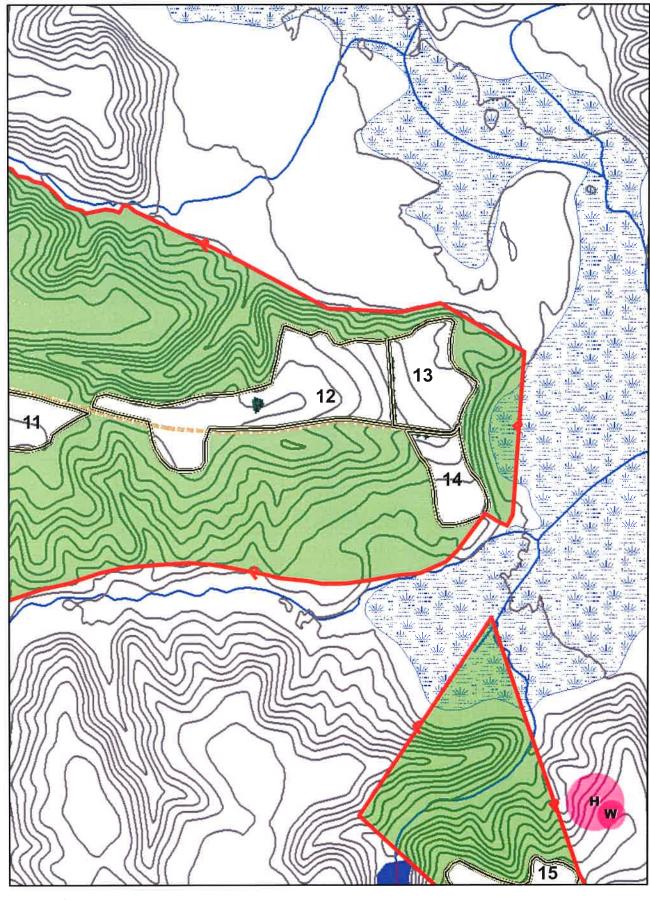
SITE PLAN



6-26-19 SITE PLAN



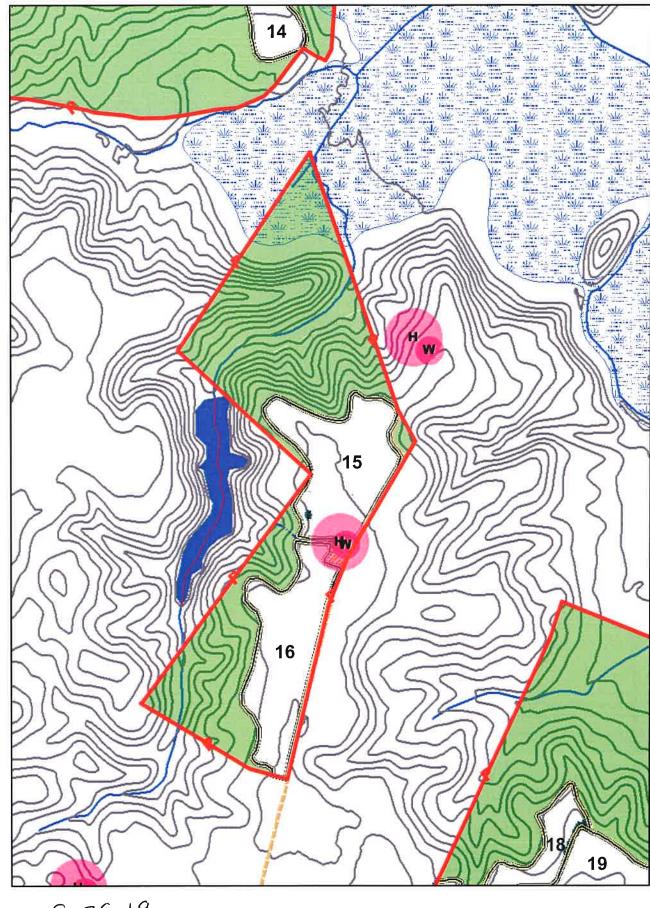
SITE PLAN





SITE PLAN

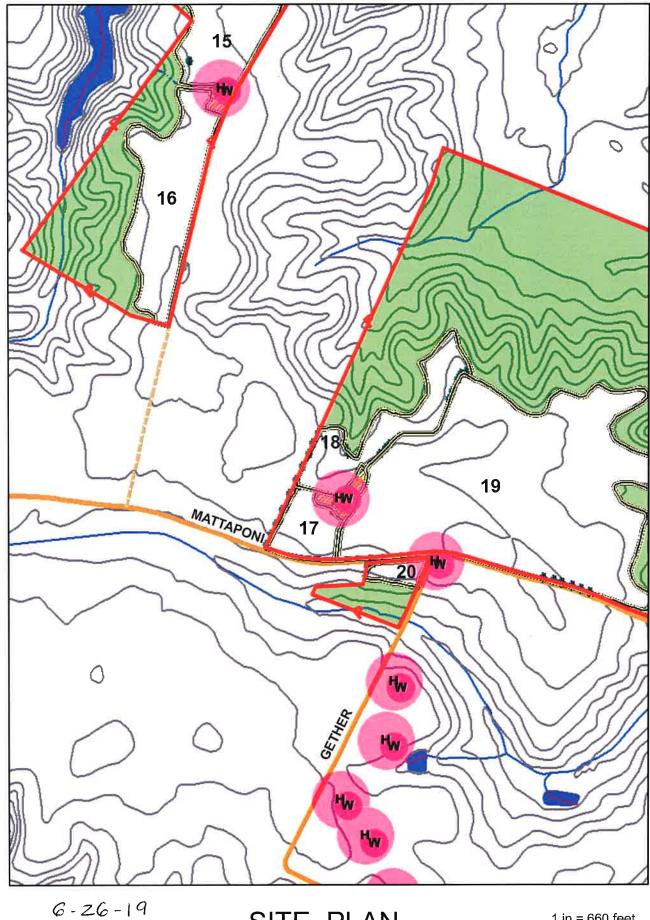
EDWIN T UPSHAW III



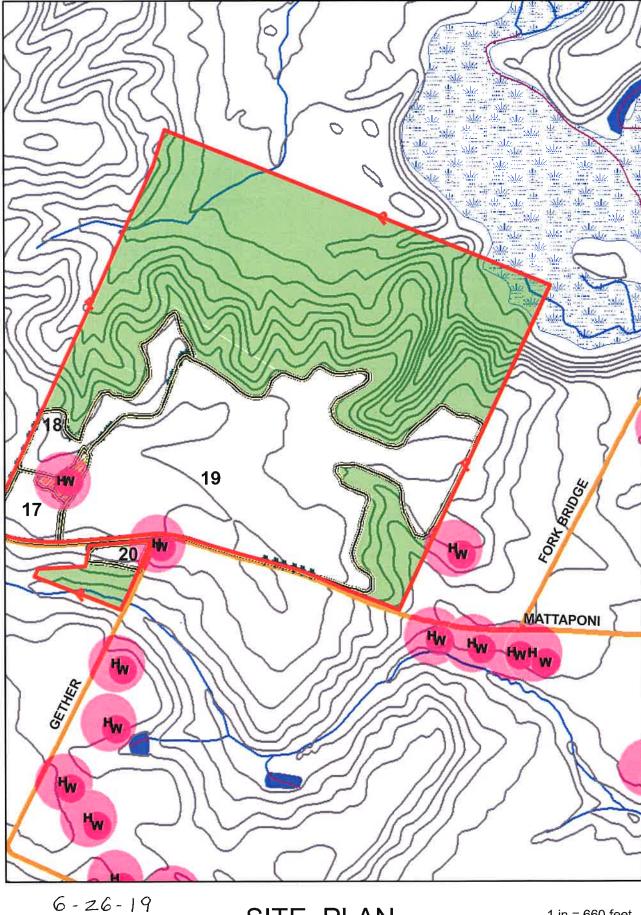
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6-26-19

SITE PLAN



SITE PLAN



SITE PLAN

